

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA BUILDING STANDARDS CODE: 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIVE DATE OF JANUARY 1, 2020.
PART 1 - CALIFORNIA ADMINISTRATIVE CODE
PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE
PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL CODE
PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE
PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE
PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE
PART 6 - CALIFORNIA ENERGY CODE
PART 7 - VACANT
PART 8 - CALIFORNIA HISTORICAL BUILDING CODE
PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE
PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING BUILDING CODE
PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN)
PART 12 - CALIFORNIA REFERENCED STANDARDS CODE
2. ANSI/TIA-222 (REV H)
3. 2018 NFPA 101, LIFE SAFETY CODE
4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE
5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

PROJECT TEAM

APPLICANT / LESSEE:

AT&T MOBILITY SERVICES, LLC
5001 EXECUTIVE PKWY,
SAN RAMON, CA 94583
CONTACT: JENNIFER MATHEWS
Site Acquisition Manager
EMAIL: jm534@att.com
PH: (925) 277-6374
CELL: (310) 740-0691

PROJECT MANAGER,
LEASING & ZONING:

J5 INFRASTRUCTURE PARTNERS
1150 BALLENA BLVD. SUITE 259
ALAMEDA, CA 94501
CONTACT: CHARLES OTIS
EMAIL: cotis@j5ip.com
PH: (805) 680-5453

CONSTRUCTION MANAGER:

AT&T MOBILITY SERVICES, LLC
5001 EXECUTIVE PKWY,
SAN RAMON, CA 94583
CONTACT: PHUNG NGUYEN
Sr. Specialist-Tech
Vendor Management
Technology Operations
EMAIL: phung.nguyen@att.com
PH: (925) 277-6480
CELL: (408) 391-0786

A&E MANAGER:

J5 INFRASTRUCTURE PARTNERS
2030 MAIN STREET, SUITE 200
IRVINE, CA 92614
contact: JEFF CLARK
email: jclark@j5ip.com
ph: (949) 302-9801

SITE INFORMATION

PROPERTY OWNER:

CITY OF MORGAN HILL
17555 PEAK AVENUE
MORGAN HILL, CA 95037

JURISDICTION:

CITY OF MORGAN HILL
773-09-030

CURRENT ZONING:

N/A

EXISTING USE:

MULTIUSE

PROPOSED USE:

MULTIUSE, COMMUNICATIONS FACILITY

LATITUDE (NAD 83):

37.1185250°
37° 07' 06.69" N

LONGITUDE (NAD 83):

-121.6698561°
121° 40' 11.48196" W

ACCESSIBILITY REQUIREMENTS:

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. ACCESSIBILITY IS NOT REQUIRED PER CBC2019, SECTION 11B-203.4 (LIMITED ACCESS SPACE)

POWER AGENCY:

PG&E
PH: (800) 743-5000

TELEPHONE AGENCY:

AT&T

RFDS VERSION:

2.00

DATE:

03/11/20

DATE UPDATED:

04/17/20

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS

THESE PLANS ARE FORMATTED TO BE FULL SIZE AT 24" X 36". CONTRACTORS SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME.

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

STATEMENTS

STRUCTURAL ANALYSIS IS NOT WITHIN THE SCOPE OF WORK CONTAINED IN THIS DRAWINGS SET. FOR ANALYSIS OF EXISTING AND/OR PROPOSED COMPONENTS, REFER TO STRUCTURAL ANALYSIS PROVIDED UNDER SEPARATE COVER.

ANTENNA MOUNT ANALYSIS IS NOT WITHIN THE SCOPE OF WORK CONTAINED IN THIS DRAWING SET. FOR ANALYSIS OF MOUNT TO SUPPORT EXISTING AND/OR PROPOSED COMPONENTS, REFER TO ANTENNA MOUNT STRUCTURAL ANALYSIS PROVIDED UNDER SEPARATE COVER.

DRIVING DIRECTIONS

DIRECTIONS FROM AT&T OFFICE: 5001 EXECUTIVE PKWY, SAN RAMON CA 94583

1. GET ON I-680 S FROM EXECUTIVE PKWY, CAMINO RAMON AND BOLLINGER CANYON RD
2. HEAD SOUTHWEST
3. TURN RIGHT
4. TURN LEFT TOWARD EXECUTIVE PKWY
5. TURN RIGHT TOWARD EXECUTIVE PKWY
6. TURN RIGHT ONTO EXECUTIVE PKWY
7. TURN RIGHT ONTO CAMINO RAMON
8. USE THE RIGHT 2 LANES TO TURN RIGHT ONTO BOLLINGER CANYON RD
9. USE THE RIGHT LANE TO MERGE ONTO I-680 S VIA THE RAMP TO SAN JOSE
10. FOLLOW I-680 S AND US-101 S TO E DUNNE AVE IN MORGAN HILL
11. TAKE THE EAST DUNNE AVE EXIT FROM US-101 S
12. MERGE ONTO I-680 S
13. USE THE RIGHT 3 LANES TO MERGE ONTO US-101 S TOWARD LOS ANGELES
14. TAKE THE EAST DUNNE AVE EXIT TOWARD MORGAN HILL
15. TURN RIGHT ONTO E DUNNE AVE

DIGALERT

800-227-2600

Call 2 Full Working Days In Advance

APPROVALS

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS & AUTHORIZE THE SUBCONTRACTOR TO PROCEED WITH CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY LOCAL BUILDING DEPARTMENT & MAY IMPOSE CHANGES AND MODIFICATIONS.

DISCIPLINE:	SIGNATURE	DATE
RF ENGINEER:		
AT&T PM:		
CIVIL:		
A&E:		
SAQ PM:		
PROPERTY OWNER:		

PREPARED FOR

AT&T

5001 EXECUTIVE PKWY,
SAN RAMON CA 94583

Vendor:

J5 INFRASTRUCTURE PARTNERS

1150 BALLENA BLVD. UNIT 259
ALAMEDA, CA 94501

P-044379

AT&T Site ID:

CCL03263

PROJECT DESCRIPTION

MODIFICATION TO AN UNMANNED TELECOMMUNICATIONS FACILITY, CONSISTING OF THE FOLLOWING:

SECTOR A

- REMOVE (3) PANEL ANTENNAS AT POS. 1, POS. 3 & POS. 4
- REMOVE (1) RRUS 11 B12 FROM NEAR ANTENNAS
- RELOCATE (1) PANEL ANTENNA FROM POS. 2 TO POS. 1
- INSTALL (2) PROPOSED PANEL ANTENNAS AT POS. 2 & POS. 3
- INSTALL (1) PROPOSED RRUS 4449 B5/B12 NEAR POS. 3

SECTOR B ADD:

- INSTALL (1) CROSS-ARM MOUNT ON EXISTING POLE
- INSTALL (3) PANEL ANTENNAS ON PROPOSED CROSS-ARM MOUNT
- INSTALL (1) RRUS 4478 B14 NEAR POS.2
- INSTALL (1) RRUS 32 B66A NEAR POS. 2
- INSTALL (1) RRUS 32 B30 NEAR POS. 2
- INSTALL (1) RRUS 32 B2 NEAR POS. 3
- INSTALL (1) RRUS 4449 B5/B12 NEAR POS. 3
- INSTALL (1) DC6 BOX ON EXISTING UNISTRUT
- INSTALL (2) #8 AWG DC POWER TRUNKS & (1) FIBER TRUNK IN EXISTING EMPTY 4" U/G CONDUIT
- REUSE (4) EXISTING 7/8" COAX CABLES

SECTOR C

- REMOVE (3) PANEL ANTENNAS AT POS. 1, POS. 3 & POS. 4
- REMOVE (1) RRUS 11 B12 FROM NEAR ANTENNAS
- RELOCATE (1) PANEL ANTENNA FROM POS. 2 TO POS. 1
- INSTALL (2) PROPOSED PANEL ANTENNAS AT POS. 2 & POS. 3
- INSTALL (1) PROPOSED RRUS 4449 B5/B12 NEAR POS. 3

EQUIPMENT SHELTER:

- REMOVE (2) RRUS 11 B5 FROM EXISTING POST IN SHELTER
- INSTALL (1) RRUS E2 B29 ON EXISTING POST IN SHELTER FOR NEW B SECTOR
- INSTALL (1) 6630 BBU IN EXISTING RACK IN SHELTER
- INSTALL (2) RECTIFIERS IN EXISTING DC POWER PLANT IN SHELTER

2	08/03/20	COLORED ELEV	MM3
1	05/21/20	EME REPORT	JSC
0	05/05/20	100% CD	MM3
A	04/15/20	90% CD	JSC
REV	DATE	DESCRIPTION	INT.

Licensor:

ZAHRA GERAMI
No. 89570
CIVIL
STATE OF CALIFORNIA

SIGNED: 2020/08/03
EXPIRES: 2021/08/31

It is a violation of law for any persons, unless they are acting under the direction of a licensed professional engineer, to alter this document

Issued For:

CCL03263

MORGAN HILL

1305 WEST DUNNE AVENUE
MORGAN HILL, CA 95037

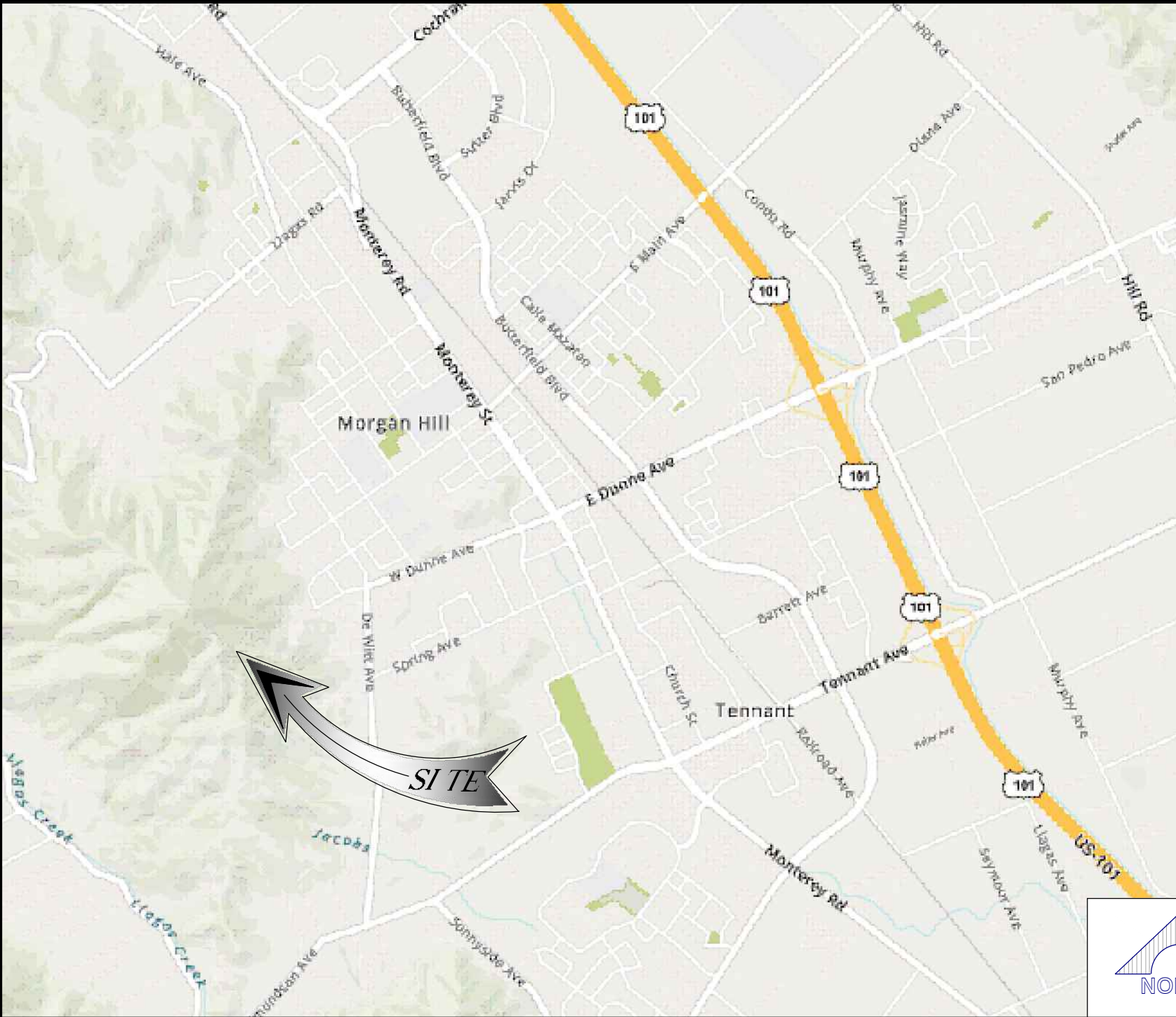
Sheet Title:

TITLE SHEET


Sheet Number:

T-1

VICINITY MAP



LOCAL MAP



SITE NUMBER:

CCL03263

SITE NAME:

MORGAN HILL

SITE TYPE:

STUB POLE - INDOOR EQUIPMENT

ADDRESS:

1305 WEST DUNNE AVENUE
MORGAN HILL, CA 95037

USID: 13100

FA#: 10095723

SECTOR ADD- 3RD SECTOR

PTN#: 3701A0TZ45

PACE#: MRSFR071172

- GENERAL CONSTRUCTION NOTES:
- PLANS ARE INTENDED TO BE DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
 - THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
 - CONTRACTOR SHALL CONTACT USA (UNDERGROUND SERVICE ALERT) AT (800) 227-2600, FOR UTILITY LOCATIONS, 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION, SITE WORK OR CONSTRUCTION.
 - THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
 - ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CBC / UBC'S REQUIREMENTS REGARDING EARTHQUAKE RESISTANCE, FOR, BUT NOT LIMITED TO, PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS, AND MECHANICAL EQUIPMENT. ALL WORK MUST COMPLY WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.
 - REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWINGS, SHALL NOT BE USED TO IDENTIFY OR ESTABLISH BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT / ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT / ENGINEER.
 - THE BUILDING DEPARTMENT ISSUING THE PERMITS SHALL BE NOTIFIED AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK, OR AS OTHERWISE STIPULATED BY THE CODE ENFORCEMENT OFFICIAL HAVING JURISDICTION.
 - DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
 - ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT / ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
 - CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICALLY, PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT / ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT / ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
 - ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
 - ANY DRAIN AND/OR FIELD TILE ENCOUNTERED / DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO ITS ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT / ENGINEER AT COMPLETION OF PROJECT.
 - ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
 - INCLUDE MISC. ITEMS PER AT&T SPECIFICATIONS

A.B.
ABV.
ACCA
ADD'L
A.F.F.
A.F.G.
ALUM.
ALT.
ANT.
APPRX.
ARCH.
AWG.
BLDG.
BLK.
BLKG.
BM.
B.N.
BTCW.
B.O.F.
B/U
CAB.
CANT.
C.I.P.
CLG.
CLR.
COL.
CONC.
CONN.
CONST.
CONT.
d
DBL.
DEPT.
D.F.
DIA.
DIAG.
DIM.
DWG.
DWL.
EA.
EL.
ELEC.
ELEV.
EMT.
E.N.
ENG.
EQ.
EXP.
EXST.(E)
EXT.
FAB.
F.F.
F.G.
FIN.
FLR.

ANCHOR BOLT
ABOVE
ANTENNA CABLE COVER ASSEMBLY
ADDITIONAL
ABOVE FINISHED FLOOR
ABOVE FINISHED GRADE
ALUMINUM
ALTERNATE
ANTENNA
APPROXIMATE(LY)
ARCHITECT(URAL)
AMERICAN WIRE GAUGE
BUILDING
BLOCK
BLOCKING
BEAM
BOUNDARY NAILING
BARE TINNED COPPER WIRE
BOTTOM OF FOOTING
BACK-UP CABINET
CABINET
CANTILEVER(ED)
CAST IN PLACE
CEILING
CLEAR
COLUMN
CONCRETE
CONNECTION(OR)
CONSTRUCTION
CONTINUOUS
PENNY (NAILS)
DOUBLE
DEPARTMENT
DOUGLAS FIR
DIAMETER
DIAGONAL
DIMENSION
DRAWING(S)
DOWEL(S)
EACH
ELEVATION
ELECTRICAL
ELEVATOR
ELECTRICAL METALLIC TUBING
EDGE NAIL
ENGINEER
EQUAL
EXPANSION
EXISTING
EXTERIOR
FABRICATION(OR)
FINISH FLOOR
FINISH GRADE
FINISH(ED)
FLOOR

FDN.
F.O.C.
F.O.M.
F.O.S.
F.O.W.
F.S.
FT.(')
FTG.
G.
GA.
GI.
G.F.I.
INTERRUPTER
GLB. (GLU-LAM)
GPS
GRND.
HDR.
HGR.
HT.
ICGB.
IN. (")
INT.
LB.(#)
L.B.
L.F.
L.
MAS.
MAX.
M.B.
MECH.
MFR.
MIN.
MISC.
MTL.
(N)
NO.(#)
N.T.S.
O.C.
OPNG.
P/C
PCS
SERVICES
PLY.
PPC
PRC
P.S.F.
P.S.I.
P.T.
PWR.
QTY.
RAD.(R)
REF.
REINF.
REQ'D/
RGS.

ABBREVIATIONS:

FOUNDATION
FACE OF CONCRETE
FACE OF MASONRY
FACE OF STUD
FACE OF WALL
FINISH SURFACE
FOOT (FEET)
FOOTING
GROWTH (CABINET)
GAUGE
GALVANIZE(D)
GROUND FAULT CIRCUIT

GLUE LAMINATED BEAM
GLOBAL POSITIONING SYSTEM
GROUND
HEADER
HANGER
HEIGHT
ISOLATED COPPER GROUND BUS
INCH(ES)
INTERIOR
POUND(S)
LAG BOLTS
LINEAR FEET (FOOT)
LONG(ITUDINAL)
MASONRY
MAXIMUM
MACHINE BOLT
MECHANICAL
MANUFACTURER
MINIMUM
MISCELLANEOUS
METAL
NEW
NUMBER
NOT TO SCALE
ON CENTER
OPENING
PRECAST CONCRETE
PERSONAL COMMUNICATION

PLYWOOD
POWER PROTECTION CABINET
PRIMARY RADIO CABINET
POUNDS PER SQUARE FOOT
POUNDS PER SQUARE INCH
PRESSURE TREATED
POWER (CABINET)
QUANTITY
RADIUS
REFERENCE
REINFORCEMENT(ING)
REQUIRED
RIGID GALVANIZED STEEL

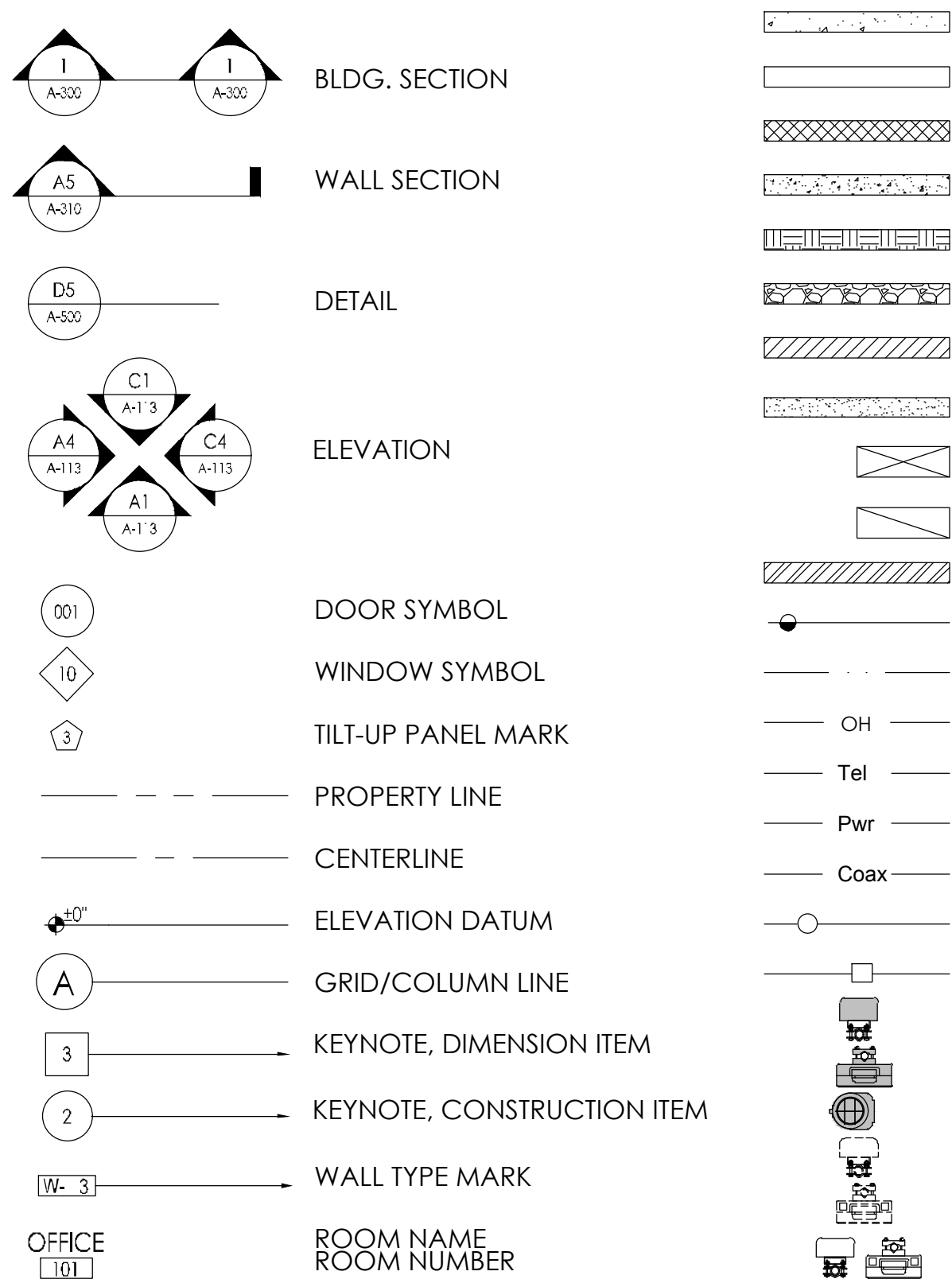
SCH.
SHT.
SIM.
SPEC.
SQ.
S.S.
STD.
STL.
STRUC.
TEMP.
THK.
T.N.
T.O.A.
T.O.C.
T.O.F.
T.O.P.
T.O.S.
T.O.W.
TYP.
U.G.
U.L.
U.N.O.
V.I.F.
W
w/
WD.
W.P.
WT.
C
F

SCHEDULE
SHEET
SIMILAR
SPECIFICATIONS
SQUARE
STAINLESS STEEL
STANDARD
STEEL
STRUCTURAL
TEMPORARY
THICK(NESS)
TOE NAIL
TOP OF ANTENNA
TOP OF CURB
TOP OF FOUNDATION
TOP OF PLATE (PARAPET)
TOP OF STEEL
TOP OF WALL
TYPICAL
UNDER GROUND
UNDERWRITERS LABORATORY
UNLESS NOTED OTHERWISE
VERIFY IN FIELD
WIDE (WIDTH)
WITH
WOOD
WEATHERPROOF
WEIGHT
CENTERLINE
PLATE, PROPERTY LINE

APPLICABLE CODES, REGULATIONS AND STANDARDS:

- SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION.
- THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
- SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:
 - AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
 - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, FIFTEENTH EDITION
 - TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-H, STRUCTURAL STANDARD FOR STRUCTURAL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES
 - INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM IEEE 1100 (1999) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRICAL EQUIPMENT.
 - IEEE C62.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")
 - TIA 607 COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS TELCORDIA GR-63 NETWORK
 - EQUIPMENT-BUILDING SYSTEM (NEBS): PHYSICAL PROTECTION
 - TELCORDIA GR-347 CENTRAL OFFICE POWER WIRING
 - TELCORDIA GR-1275 GENERAL INSTALLATION REQUIREMENTS
 - TELCORDIA GR-1503 COAXIAL CABLE CONNECTIONS
 - ANY AND ALL OTHER LOCAL & STATE LAWS AND REGULATIONS
 - FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

SYMBOLS LEGEND:



PREPARED FOR



5001 EXECUTIVE PKWY,
SAN RAMON CA 94583

Vendor:



1150 BALLENA BLVD. UNIT 259
ALAMEDA, CA 94501

P-044379

AT&T Site ID:

CCL03263

REV	DATE	DESCRIPTION	INT.
2	08/03/20	COLORED ELEV	MM3
1	05/21/20	EME REPORT	JSC
0	05/05/20	100% CD	MM3
A	04/15/20	90% CD	JSC

Licensor:



It is a violation of law for any persons, unless they are acting under the direction of a licensed professional engineer, to alter this document

Issued For:

CCL03263

MORGAN HILL

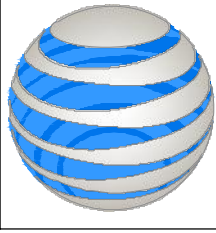
1305 WEST DUNNE AVENUE
MORGAN HILL, CA 95037

Sheet Title:

GENERAL NOTES

Sheet Number:

GN-1



AT&T

This Site Operated by:

AT&T MOBILITY

5001 EXECUTIVE PKWY,
SAN RAMON, CA 94583

IN CASE OF FIRE AND THE NEED FOR SHUTDOWN
TO DEACTIVATE ANTENNAS CALL THE
FOLLOWING NUMBER:
For 24 Hour Emergency Contact and Access Please Call:
(800)832-6662

Reference Site#:

CCL03263

Site Address:

1305 WEST DUNNE AVENUE MORGAN HILL, CA 95037

10

FENCED COMPOUND SIGNAGE
N.T.S.



9

FENCED COMPOUND SIGNAGE
N.T.S.



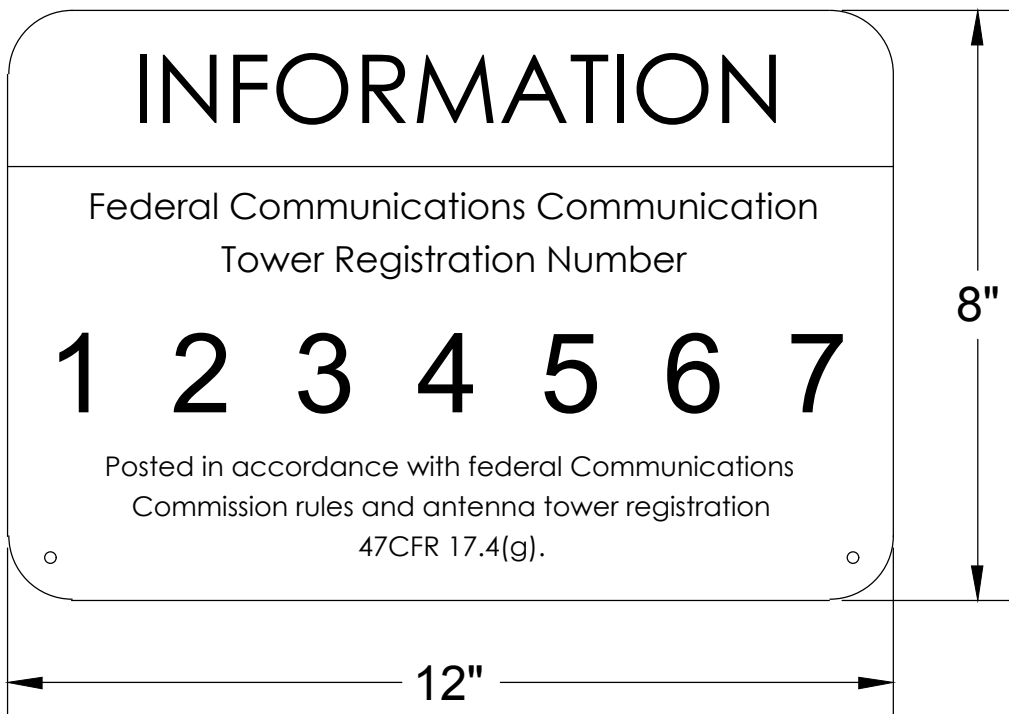
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DOOR / EQUIPMENT SIGN
N.T.S.



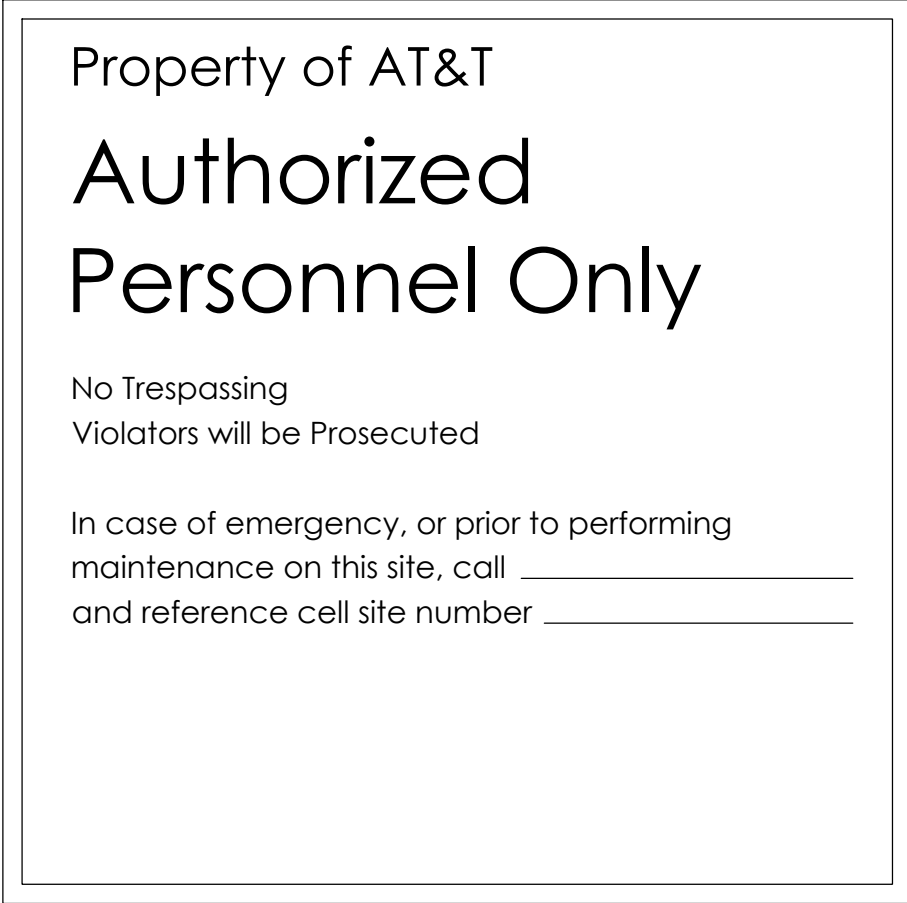
7

NFPA HAZARD SIGN - TYPICAL
N.T.S.



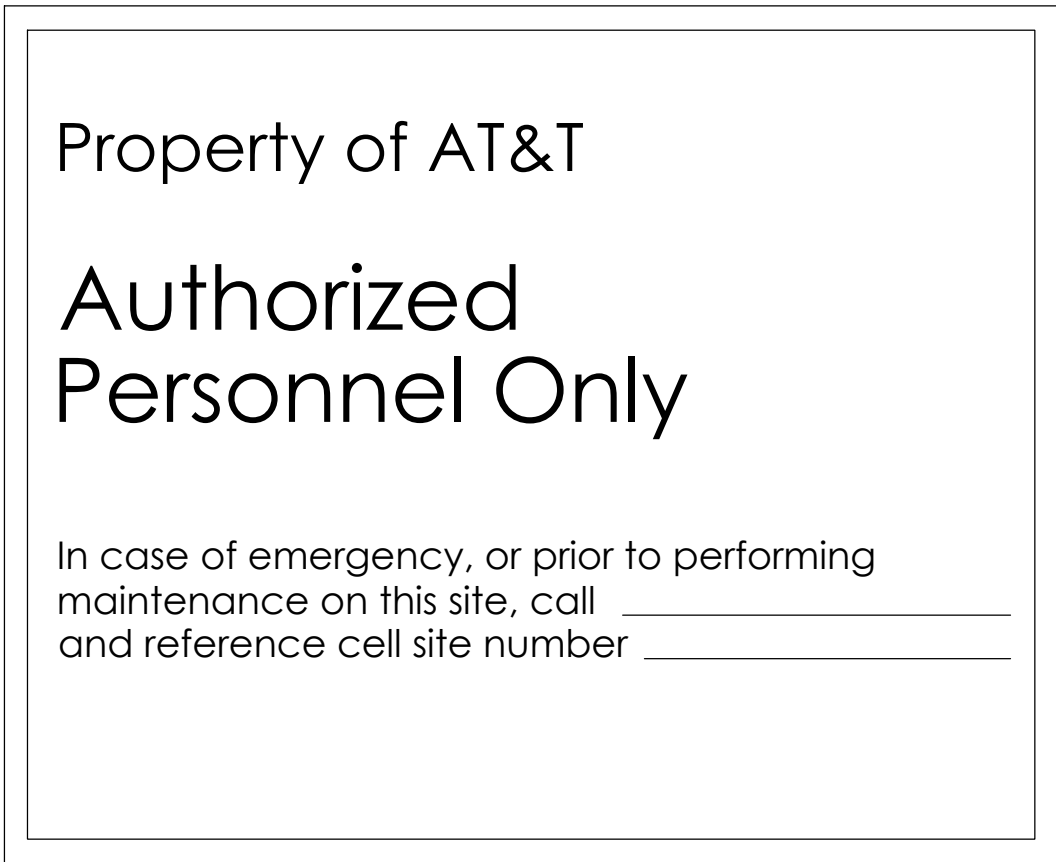
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FCC ASR SIGNAGE
N.T.S.



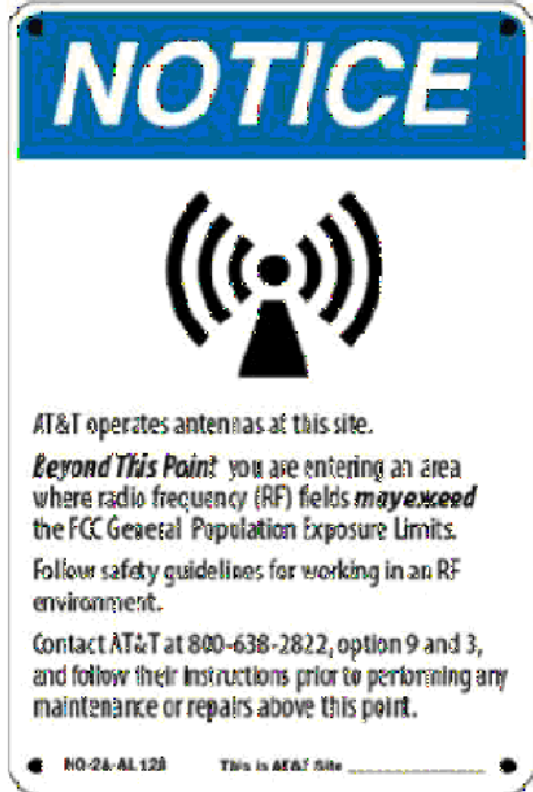
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GATE SIGNAGE
N.T.S.



4

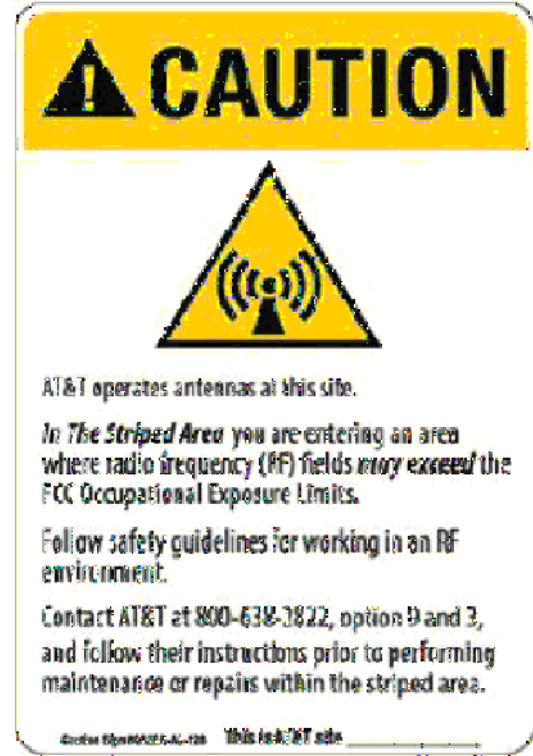
SHELTER / CABINET DOORS SIGNAGE
N.T.S.



Notice Sign 2
(8" x 12")



Caution Sign 2
(8" x 12")



Caution Sign 2A
(8" x 12")
Use only if instructed by RF Safety



Caution Sign 2B Tower
(8" x 12")
Use for Towers only



Caution Sign 2C Parapet
(5" x 7")

1. CONTRACTOR SHALL INSTALL ALL INFORMATION SIGNAGE IN ACCORDANCE w/ AT&T WIRELESS DOCUMENT #03-0074, RF EXPOSURE POLICY AND RF SAFETY COMPLIANCE PROGRAM, LATEST EDITION.

2. FABRICATION:

*SIGN 1-1: ENTRANCE DOOR, SEE DETAIL 1A, THIS SHEET

SIGN 1 IS TO BE MADE ON THE 50 MIL ALUMINUM SHEETING (SIZE 8 INCHES BY 12 INCHES) w/ FOUR (4) 1/4 INCH MOUNTING HOLES, ONE EACH CORNER OF THE SIGN FOR MOUNTING w/ HARDWARE w/ TIE WRAPS. THE MAIN BACKGROUND COLOR IS TO BE WHITE FRONT & BACK w/ BLACK LETTERING.

THE INFORMATION BAND SHALL BE 1.2 INCH SOLID GREEN BAND w. 0.5 INCH HIGH BLACK LETTERING, THE BODY TEXT SHALL BE IN BLACK LETTERING w/ 0.2 INCH HIGH LETTERS. THE REF LINE SHALL BE IN 1/8 INCH LETTERS.

THE PLACEMENT OF TEXT SHALL BE DONE IN A MANNER THAT WILL PERMIT EASY READING FROM A DISTANCE OF APPROXIMATELY 6 FEET IN FRONT OF THE SIGN.

2

ALERTING & INFORMATION SIGNAGE
N.T.S.

ALL PAINT WILL BE BAKED w/ ENAMEL w/ UV PROTECTIVE COATING OVER THE FACE OF THE SIGN.

*SIGN 1-2: POLE, SEE DETAIL 1B, THIS SHEET

SIGN 2 MUST BE A NON METALLIC LABEL w/ AN ADHESIVE BACKING, THE LABEL SHALL BE MADE USING VINYL OR SIMILAR WEATHERPROOF MATERIAL. THE LABEL SHALL BE APPROXIMATELY 5X7 INCHES w/ A WHITE BACKGROUND AND BLACK LETTERING. THE GREEN BAND SHALL BE 1.375 INCH IN HEIGHT & THE LETTERING SHALL BE BLACK w/ 0.75 INCH HIGH LETTERS. THE TEXT LETTERING SHALL BE BLACK w/ 1/8 INCH HIGH LETTERS. UV PROTECTION SHALL BE PLACED OVER THE FRONT OF THE LABEL.

*SIGN 1-3: BACK OF ANTENNAS, SEE DETAIL 1C & 3, THIS SHEET


*SIGN 3 IS A 1 INCH X 2 INCH PANEL THAT CAN BE APPLIED TO THE BACK OR SIDE OF AN ANTENNA TO IDENTIFY IT AS AN AT&T ANTENNA.

*SIGN 1-4: SIDE OF ANTENNAS, SEE DETAIL 1D & 3, THIS SHEET

SIGN 4 IS MADE FROM TRANSPARENT MATERIAL 1-1/2 INCHES WIDE & 24 INCHES LONG. THE LETTERING IS TO BE BLACK w/ 1/2 INCH LETTERING IN A VERTICAL COLUMN. THE SPACING BETWEEN WORDS MUST BE SUCH THAT IT IS EASILY READ & FILLS THE LENGTH OF THE SIGN.

- THE FOLLOWING INFORMATION IS A GUIDELINE w/ RESPECT TO PREVAILING STANDARDS LIMITING HUMAN EXPOSURE TO RADIO FREQUENCY ENERGY AND SHOULD BE USED AS SUCH. IF THE SITE'S EMF REPORT OR ANY LOCAL, STATE OR FEDERAL GUIDELINES OR REGULATIONS SHOULD BE IN CONFLICT w/ ANY PART OF THESE NOTES OR PLANS, THE MORE RESTRICTIVE GUIDELINE OR REGULATION SHALL BE FOLLOWED AND OVERRIDE THE LESSER.
- THE PUBLIC LIMIT OF RF EXPOSURE ALLOWED BY AT&T IS 1mWcm*2 AND THE OCCUPATIONAL LIMIT OF RF EXPOSURE ALLOWED BY AT&T IS 5mWcm*2
- IF THE BOTTOM OF THE ANTENNA IS MOUNTED (8) EIGHT FEET ABOVE THE GROUND OR WORKING PLATFORM LINE OF THE PERSONAL COMMUNICATION SYSTEM (PCS) AND DOES NOT EXCEED THE PUBLIC LIMIT OF RF EXPOSURE LIMIT THEN NO STRIPING OR BARRICADES SHOULD BE NEEDED.
- IF THE PUBLIC LIMIT OF RF EXPOSURE ON THE SITE IS EXCEEDED AND THE AREA IS PUBLICLY ACCESSIBLE (e.g. ROOF ACCESS DOOR THAT CANNOT BE LOCKED, OR FIRE EGRESS) THEN BOTH BARRICADES AND STRIPING SHALL BE PLACED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE BARRICADES AND STRIPING SHALL BE DETERMINED BY THE EMF REPORT FOR THE SITE DONE BEFORE OR SHORTLY AFTER COMPLETION OF SITE CONSTRUCTION. USE THE PLANS AS A GUIDELINE FOR PLACEMENT OF SUCH BARRICADES AND STRIPING.
- IF THE PUBLIC LIMIT OF RF EXPOSURE ON THE SITE IS EXCEEDED AND THE AREA IS PUBLICLY ACCESSIBLE (e.g. ROOF ACCESS DOOR THAT CANNOT BE LOCKED, OR FIRE EGRESS) THEN BOTH BARRICADES AND STRIPING SHALL BE PLACED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE BARRICADES AND STRIPING SHALL BE DETERMINED BY THE EMF REPORT FOR THE SITE DONE BEFORE OR SHORTLY AFTER COMPLETION OF SITE CONSTRUCTION. USE THE PLANS AS A GUIDELINE FOR PLACEMENT OF SUCH BARRICADES AND STRIPING.
- ALL TRANSMIT ANTENNAS REQUIRE A THREE LANGUAGE WARNING SIGN WRITTEN IN ENGLISH, SPANISH, AND CHINESE. THIS SIGN SHALL BE PROVIDED TO THE CONTRACTOR Y THE AT&T CONSTRUCTION PROJECT MANAGER AT THE TIME OF CONSTRUCTION. THE LARGER SIGN SHALL BE PLACED IN PLAIN SIGHT AT ALL ROOF ACCESS LOCATIONS AND ON ALL BARRICADES. THE SMALLER SIGN SHALL BE PLACED ON THE ANTENNA ENCLOSURES IN A MANNER THAT IS EASILY SEEN BY ANY PERSON ON THE ROOF. WARNING SIGNS SHALL COMPLY w/ ANSI C95.2 COLOR, SYMBOL, AND CONTENT CONVENTIONS. ALL SIGNS SHALL HAVE AT&T'S NAME AND THE COMPANY CONTACT INFORMATION (e.g. TELEPHONE NUMBER) TO ARRANGE FOR ACCESS TO THE RESTRICTED AREAS. THIS TELEPHONE NUMBER SHALL BE PROVIDED TO THE CONTRACTOR BY THE AT&T CONSTRUCTION PROJECT MANAGER AT THE TIME OF CONSTRUCTION.
- PHOTOS OF ALL STRIPING, BARRICADES & SIGNAGE SHALL BE PART OF THE CONTRACTORS CLOSE OUT PACKAGE & SHALL BE TURNED INTO THE AT&T CONSTRUCTION PACKAGE & SHALL BE TURNED INTO THE AT&T CONSTRUCTION PROJECT MANAGER AT THE END OF CONSTRUCTION. STRIPING SHALL BE DONE w/ FADE RESISTANT YELLOW SAFETY PAINT IN A CROSS-HATCH PATTERN AS DETAILED BY THE CONSTRUCTION DRAWINGS. ALL BARRICADES SHALL BE MADE OF AN RF FRIENDLY MATERIAL SO AS NOT TO BLOCK OR INTERFERE w/ THE OPERATION OF THE ANTENNAS. BARRICADES SHALL BE PAINTED w/ FADE RESTRAINT YELLOW SAFETY PAINT. THE CONTRACTOR SHALL PROVIDE ALL RF FRIENDLY BARRICADES NEEDED, & SHALL PROVIDE THE AT&T CONSTRUCTION PROJECT MANAGER w/ A DETAILED SHOP DRAWING OF EACH BARRICADE. UPON CONSTRUCTION COMPLETION.

PREPARED FOR



5001 EXECUTIVE PKWY,
SAN RAMON CA 94583

Vendor:



1150 BALLEN A BLVD. UNIT 259
ALAMEDA, CA 94501


P-044379

AT&T Site ID:

CCL03263

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2	08/03/20	COLORED ELEV	MM3
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MORGAN HILL, CA 95037

Sheet Title:

SITE SIGNAGE

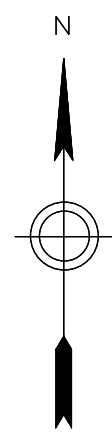
Sheet Number:

GN-2

1

GENERAL NOTES
N.T.S.

THIS IS NOT A SITE SURVEY
ALL PROPERTY BOUNDARIES, ORIENTATION OF TRUE NORTH AND STREET HALF-WIDTHS HAVE BEEN OBTAINED FROM A TAX PARCEL MAP AND EXISTING DRAWINGS AND ARE APPROXIMATE.



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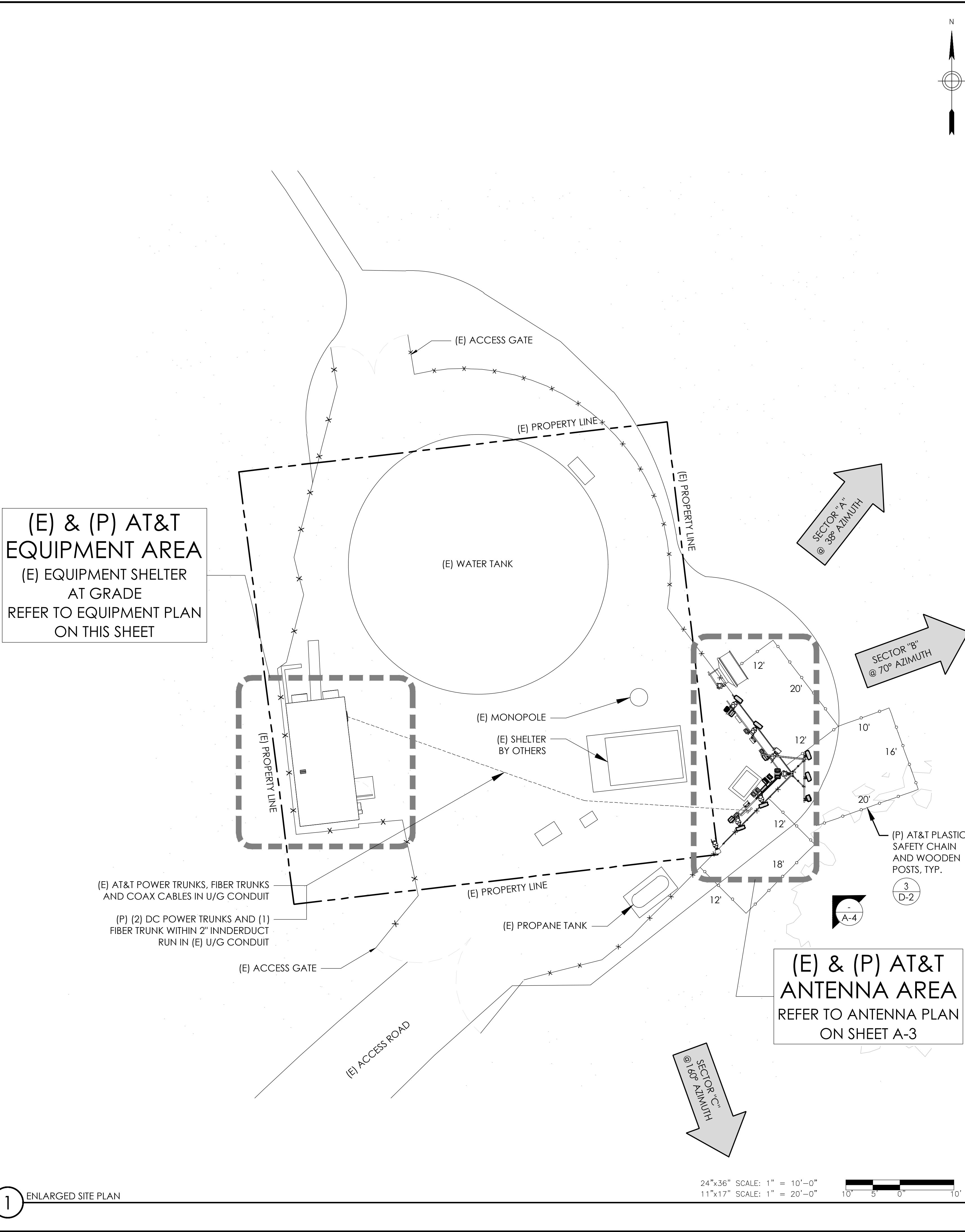
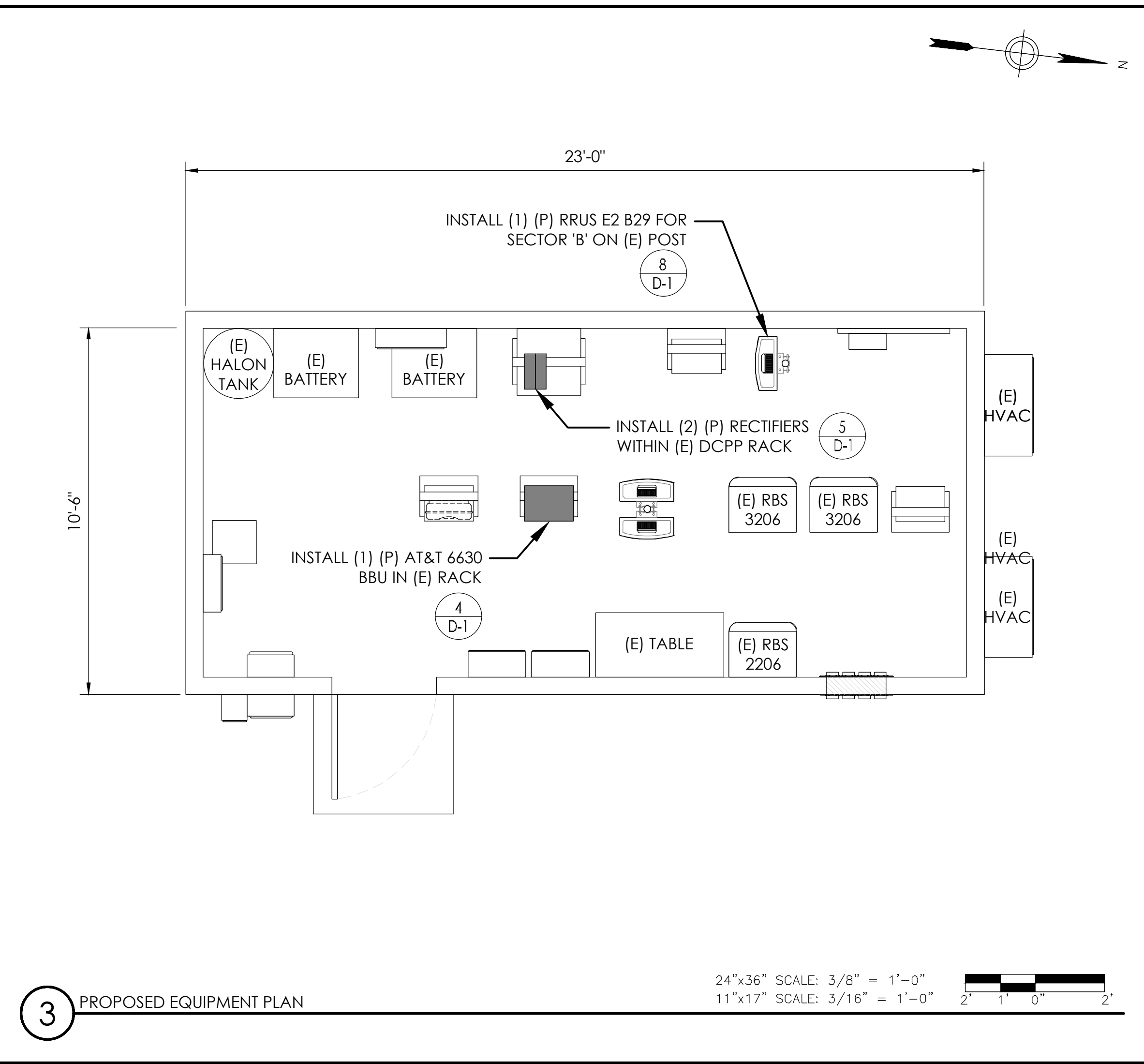
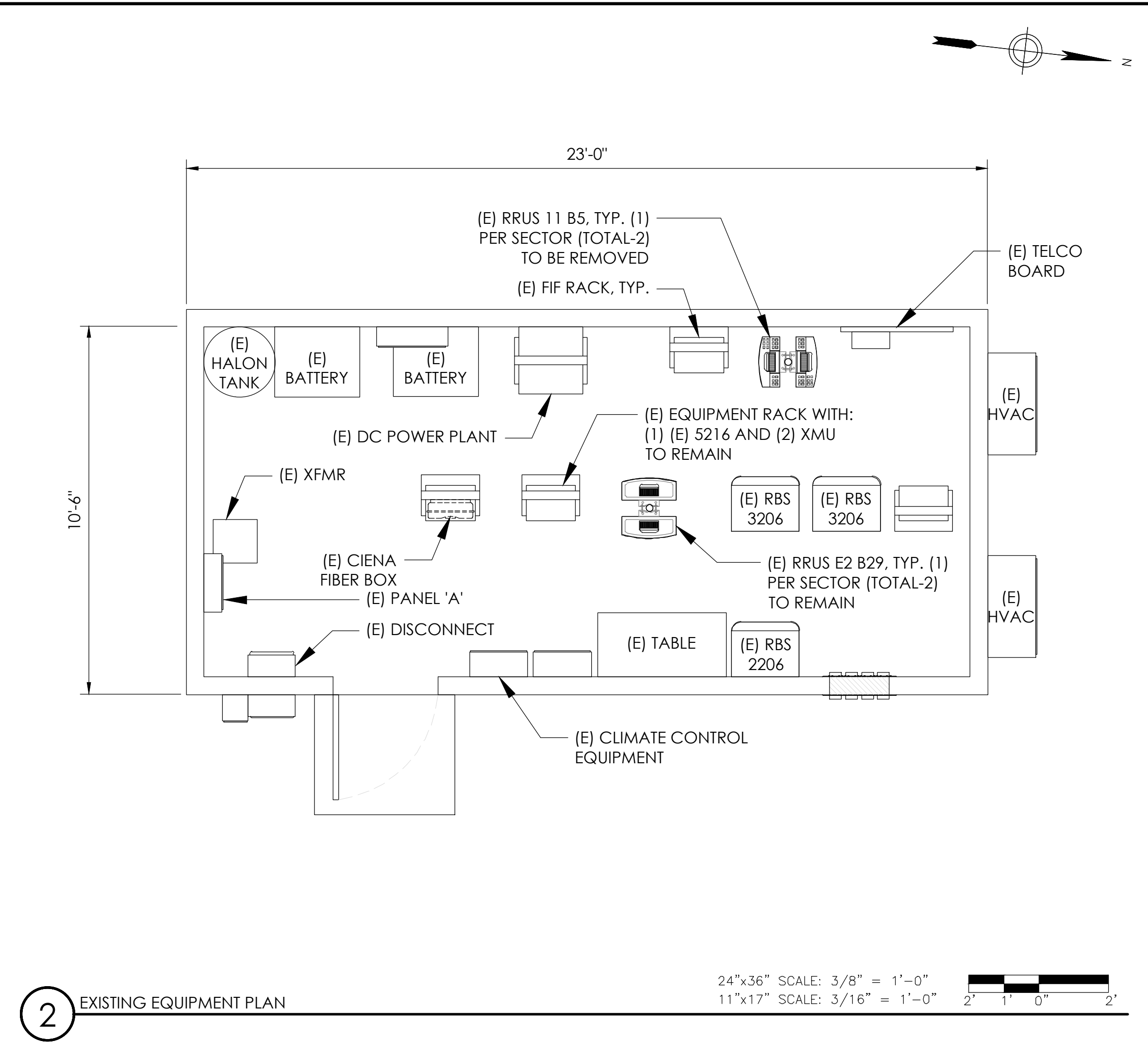
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Sheet Title:

**OVERALL
SITE PLAN**

Sheet Number:

A-1



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Sheet Title:

ENLARGED SITE PLAN & EQUIPMENT PLANS

Sheet Number:

A-2

1. CONTRACTOR IS TO REFER TO AT&T'S MOST CURRENT RADIO FREQUENCY DATA SHEET (RFDS) PRIOR TO CONSTRUCTION.
2. CABLE LENGTHS WERE DETERMINED BASED ON VISUAL INSPECTION DURING SITE-WALK. CONTRACTOR TO VERIFY ACTUAL LENGTH DURING PRE-CONSTRUCTION WALK.
3. CONTRACTOR TO VERIFY PORTS HAVE SUFFICIENT ROOM.

(E) ANTENNA AZIMUTHS ARE ESTIMATED AND ARE TO BE VERIFIED BY RF.

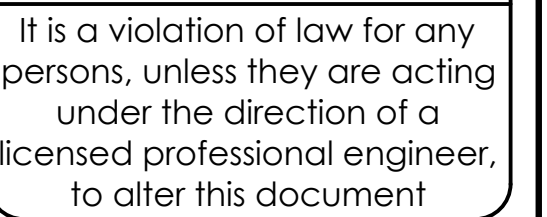


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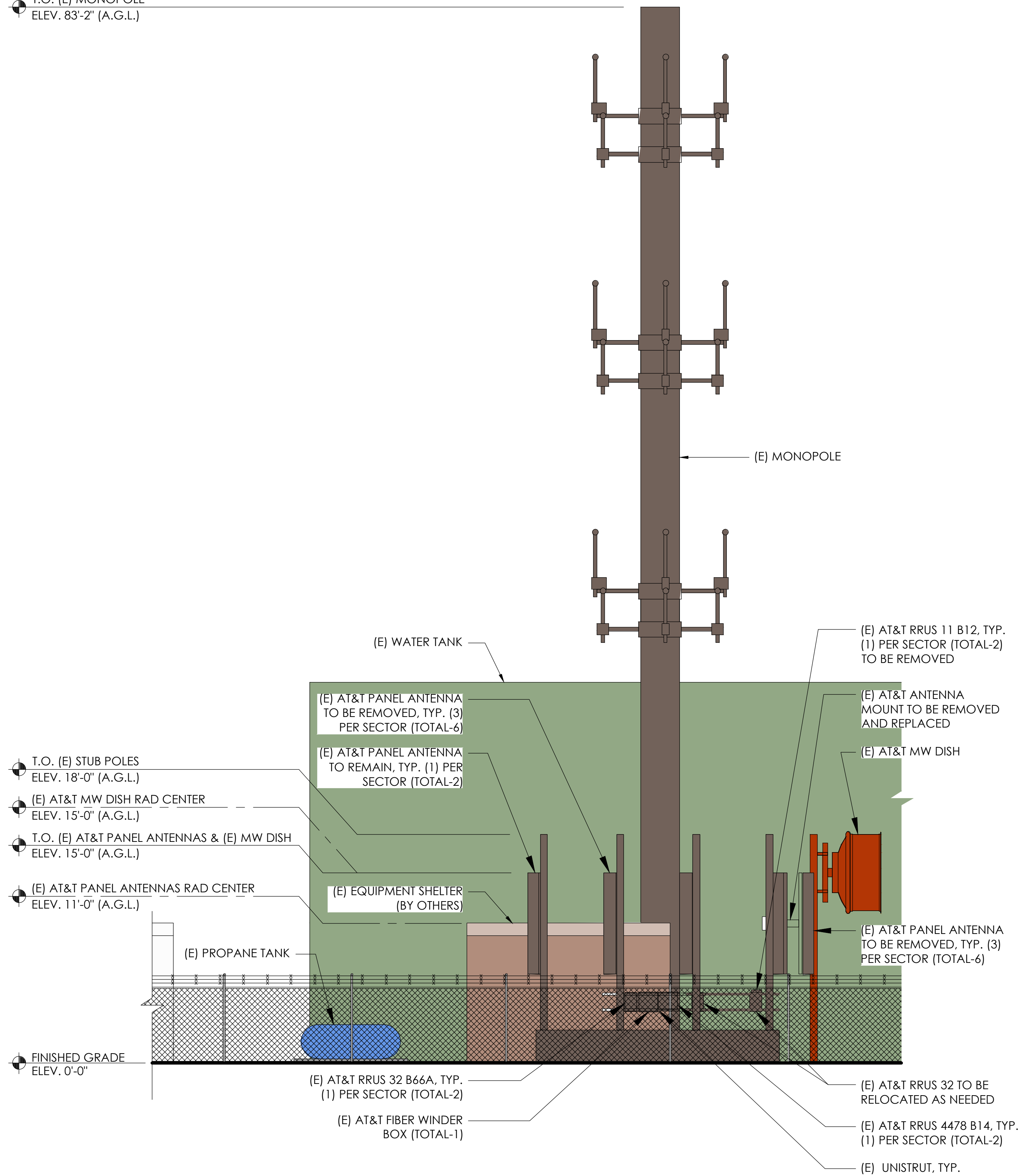
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Sheet Number:

A-3.1

1 RF SCHEDULES

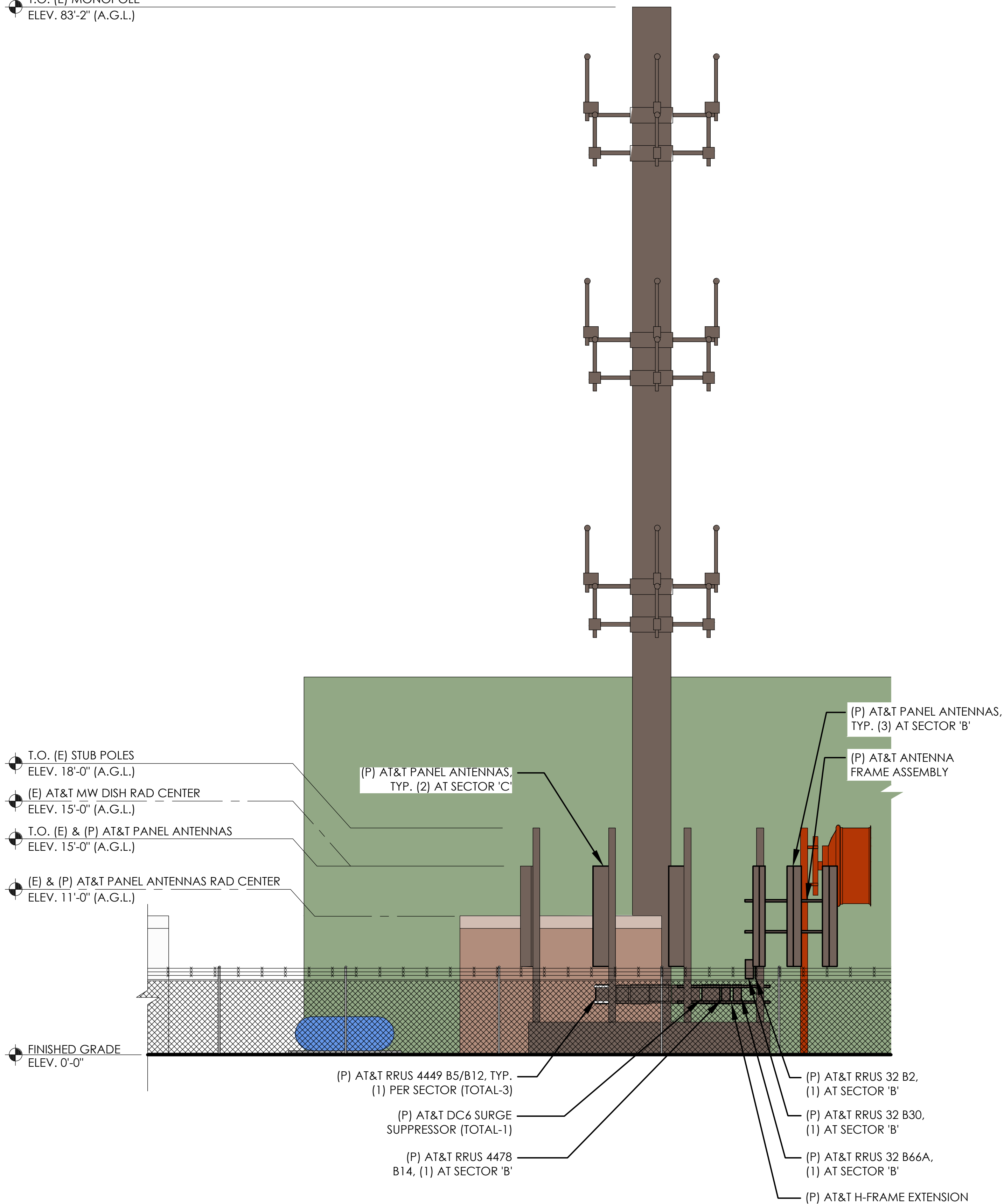
T.O. (E) MONOPOLE
ELEV. 83'-2" (A.G.L.)



24"x36" SCALE: 3/16" = 1'-0"
11"x17" SCALE: 3/32" = 1'-0"



T.O. (E) MONOPOLE
ELEV. 83'-2" (A.G.L.)



24"x36" SCALE: 3/16" = 1'-0"
11"x17" SCALE: 3/32" = 1'-0"



NOTE:
1. ALL (P) ANTENNAS AND
EQUIPMENT MOUNTED TO THE (E)
POLES SHALL BE PAINTED TO
MATCH (E).

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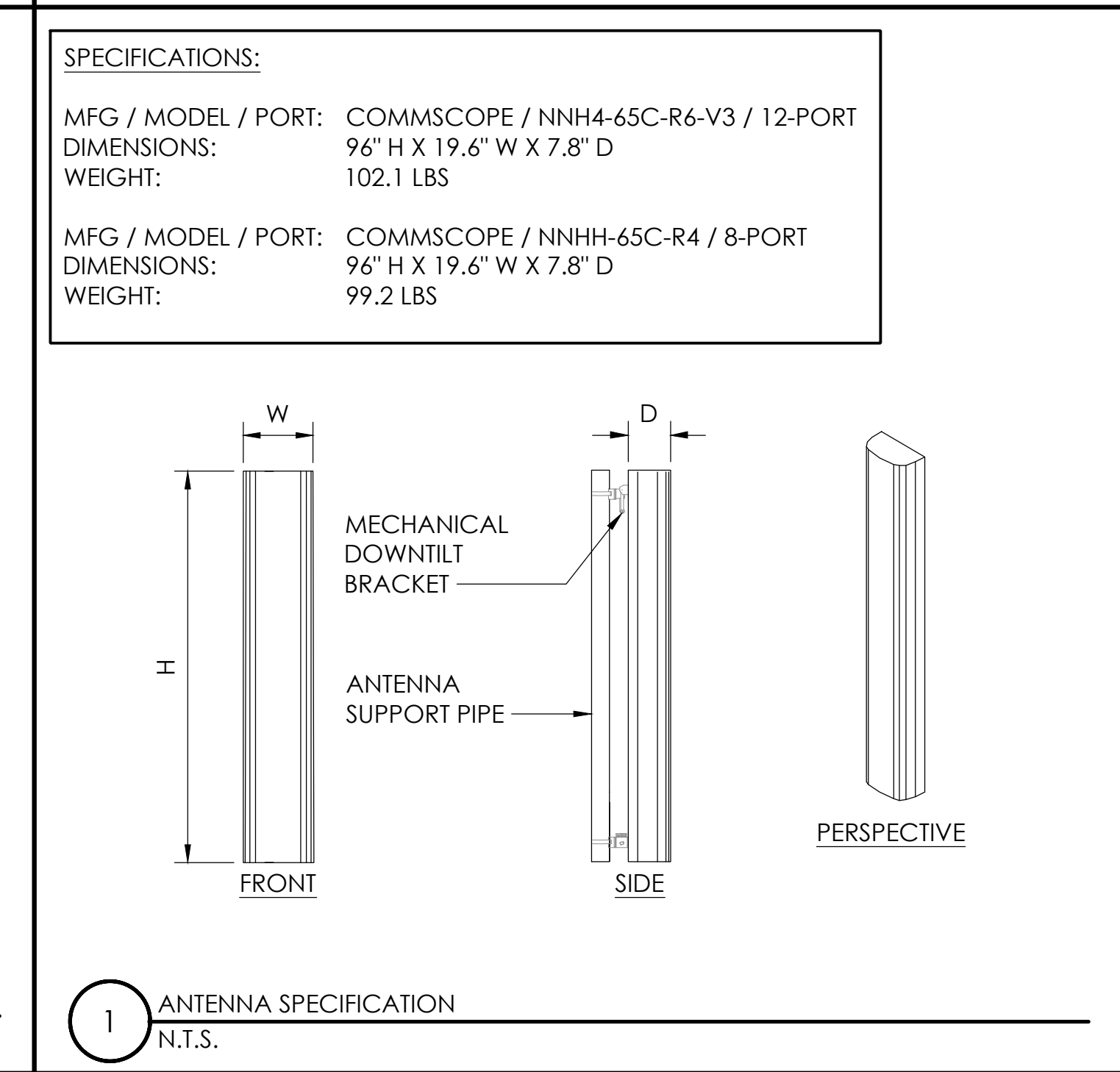
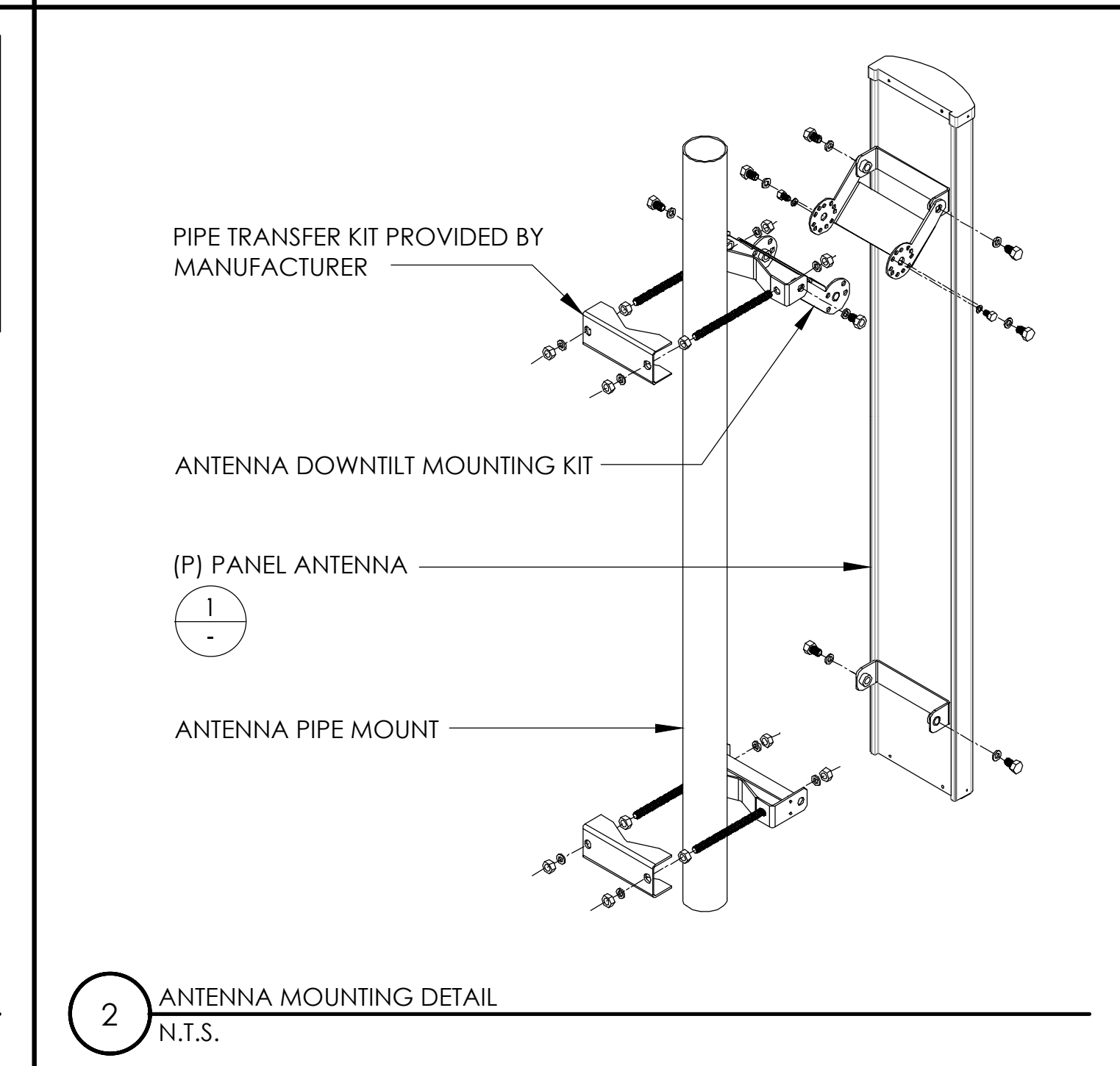
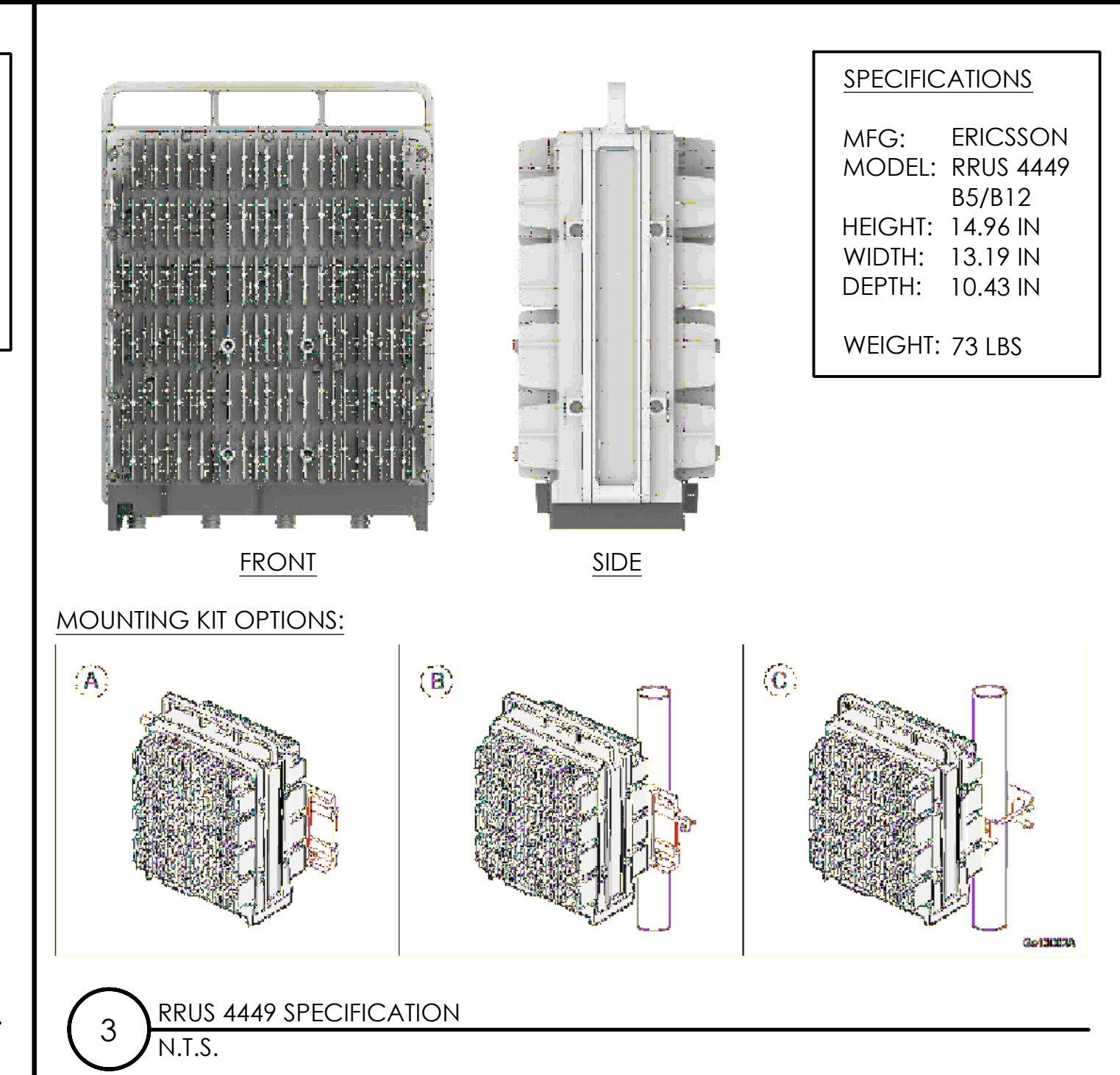
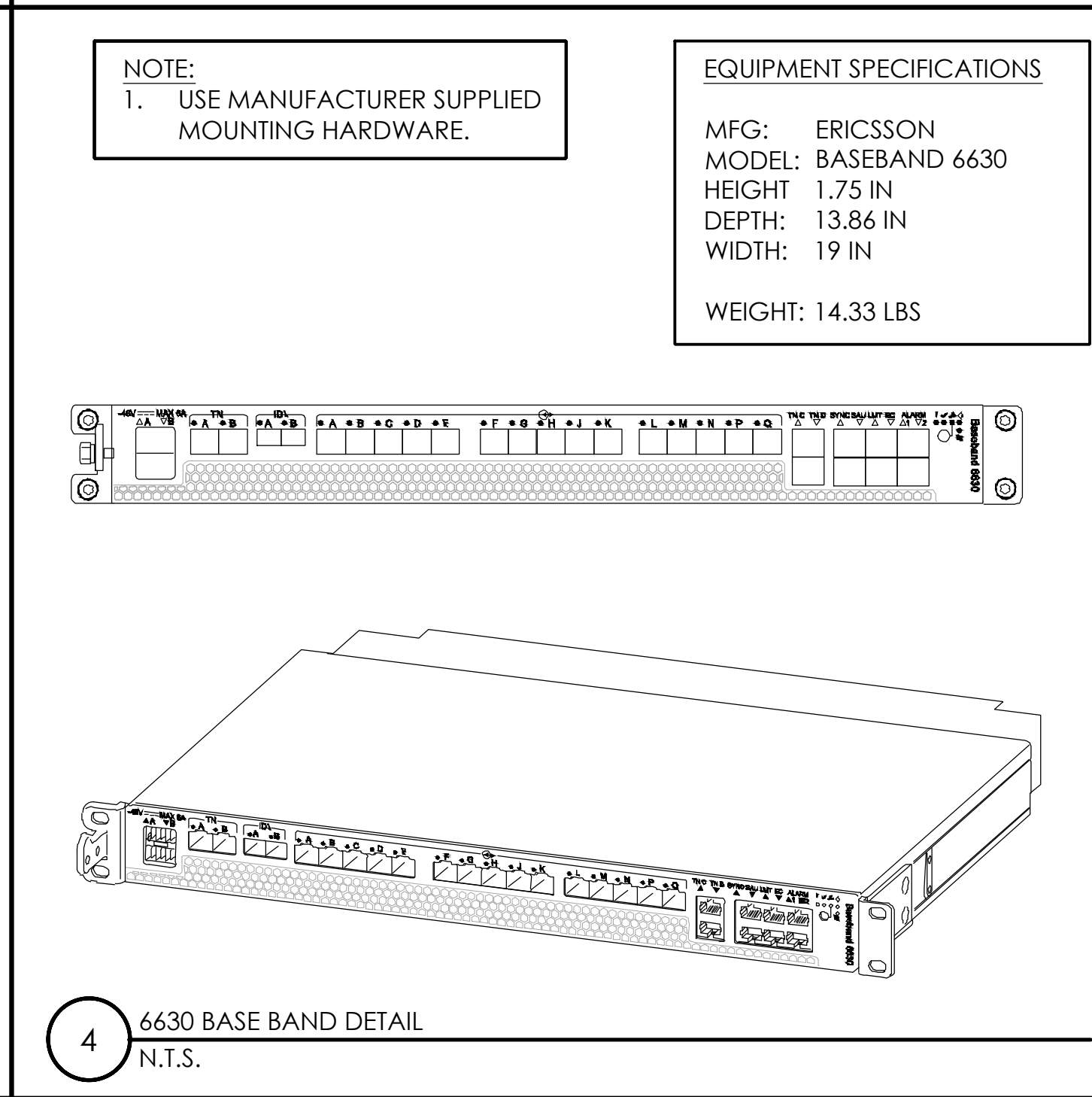
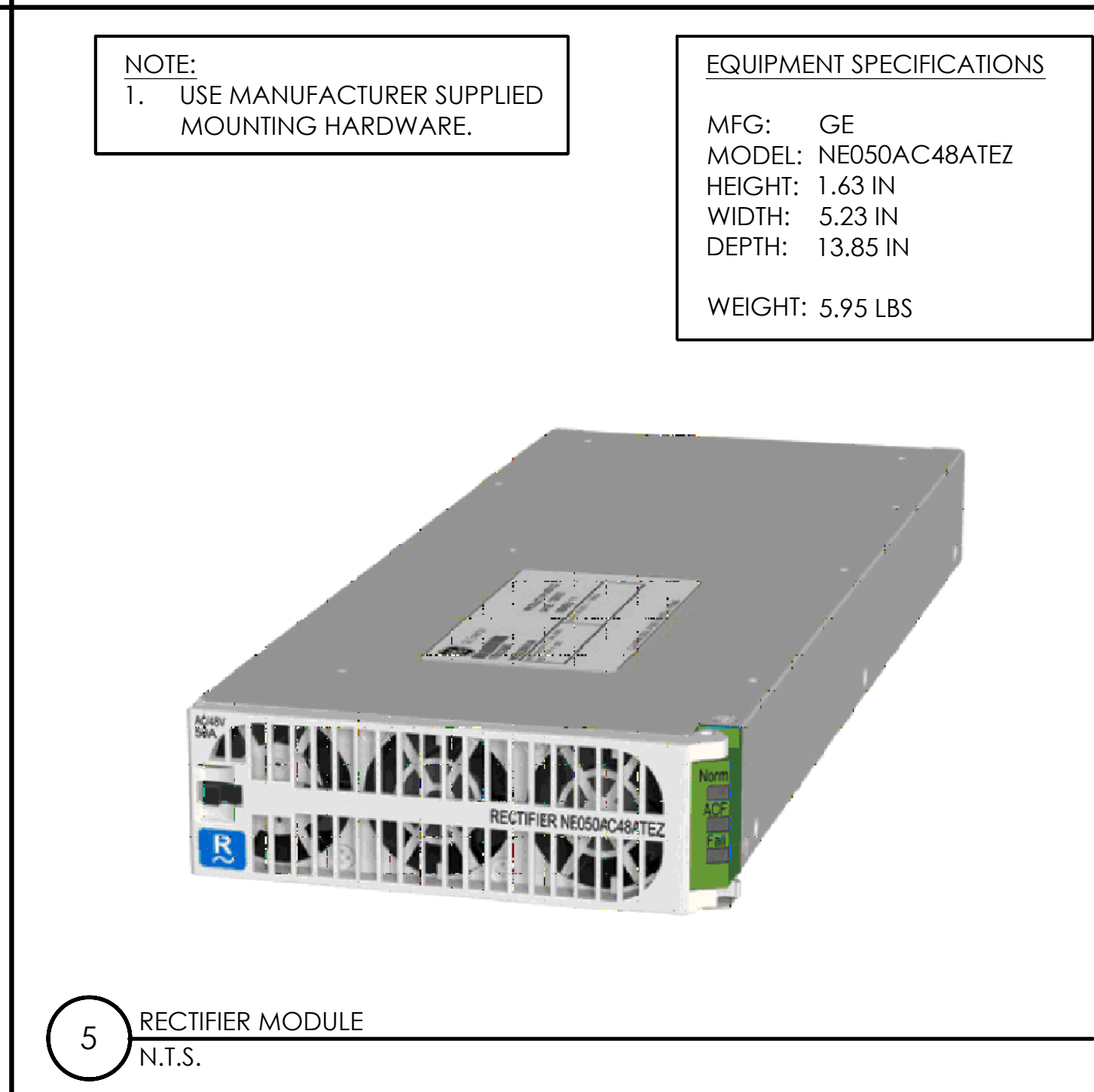
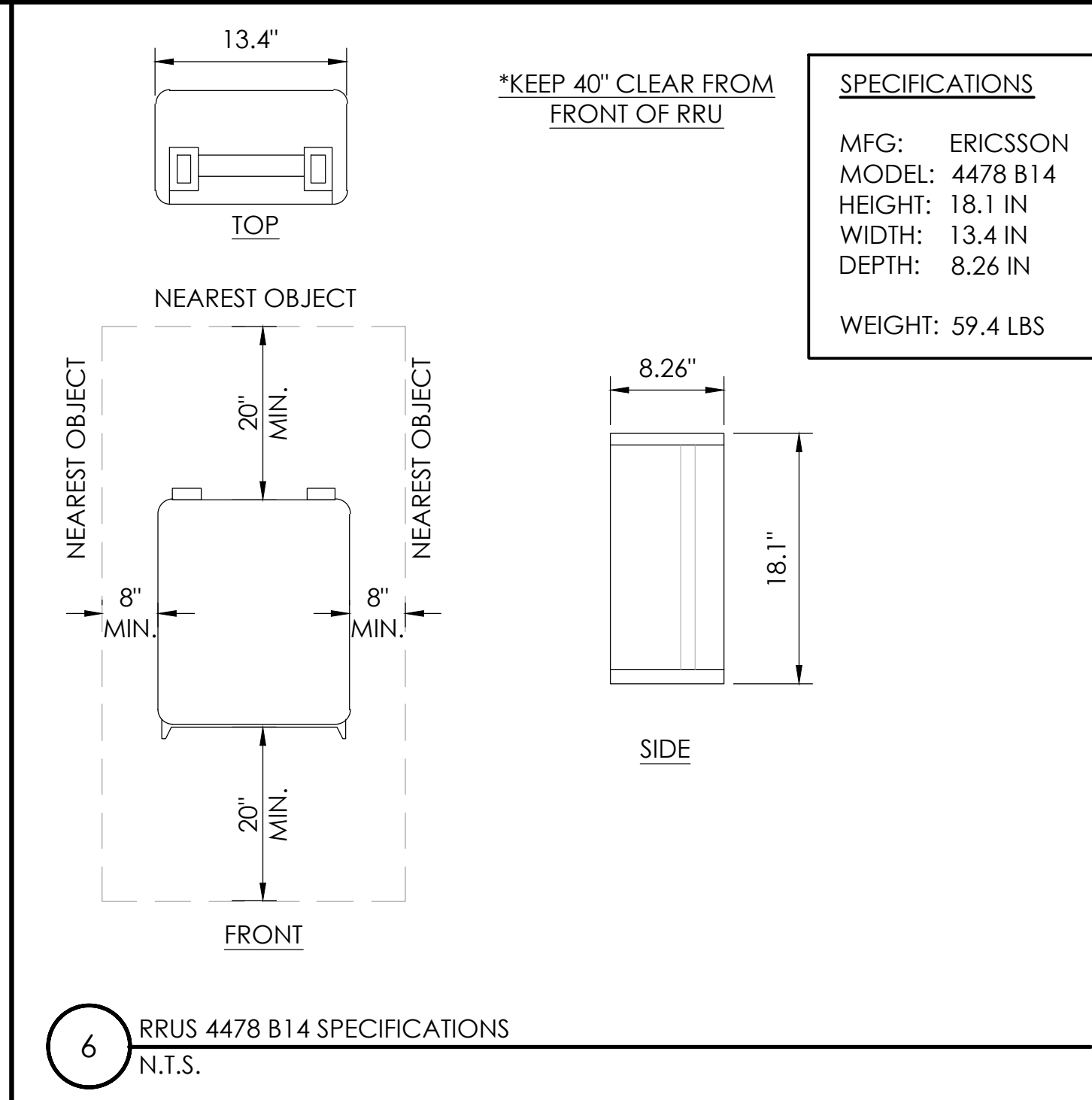
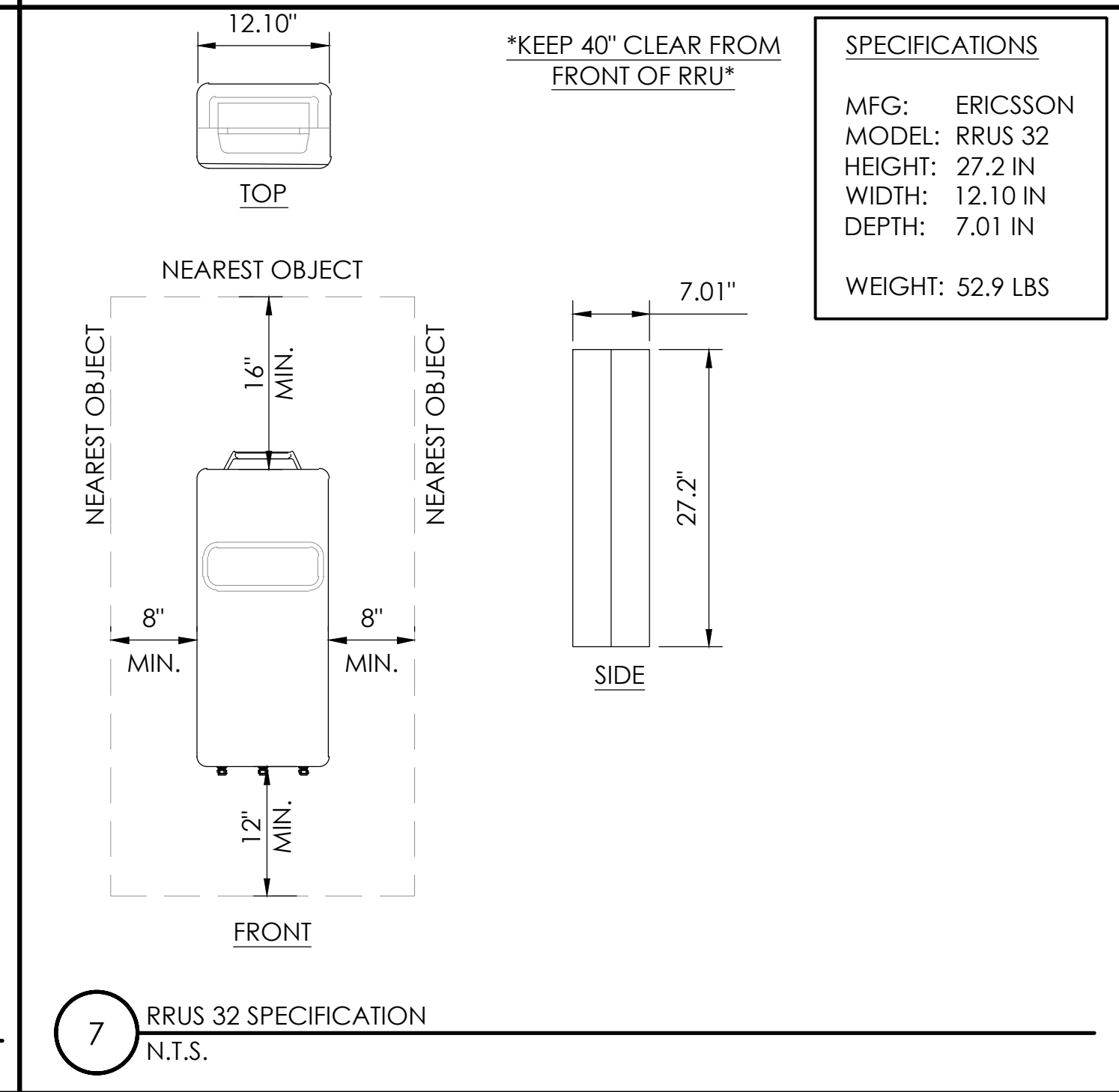
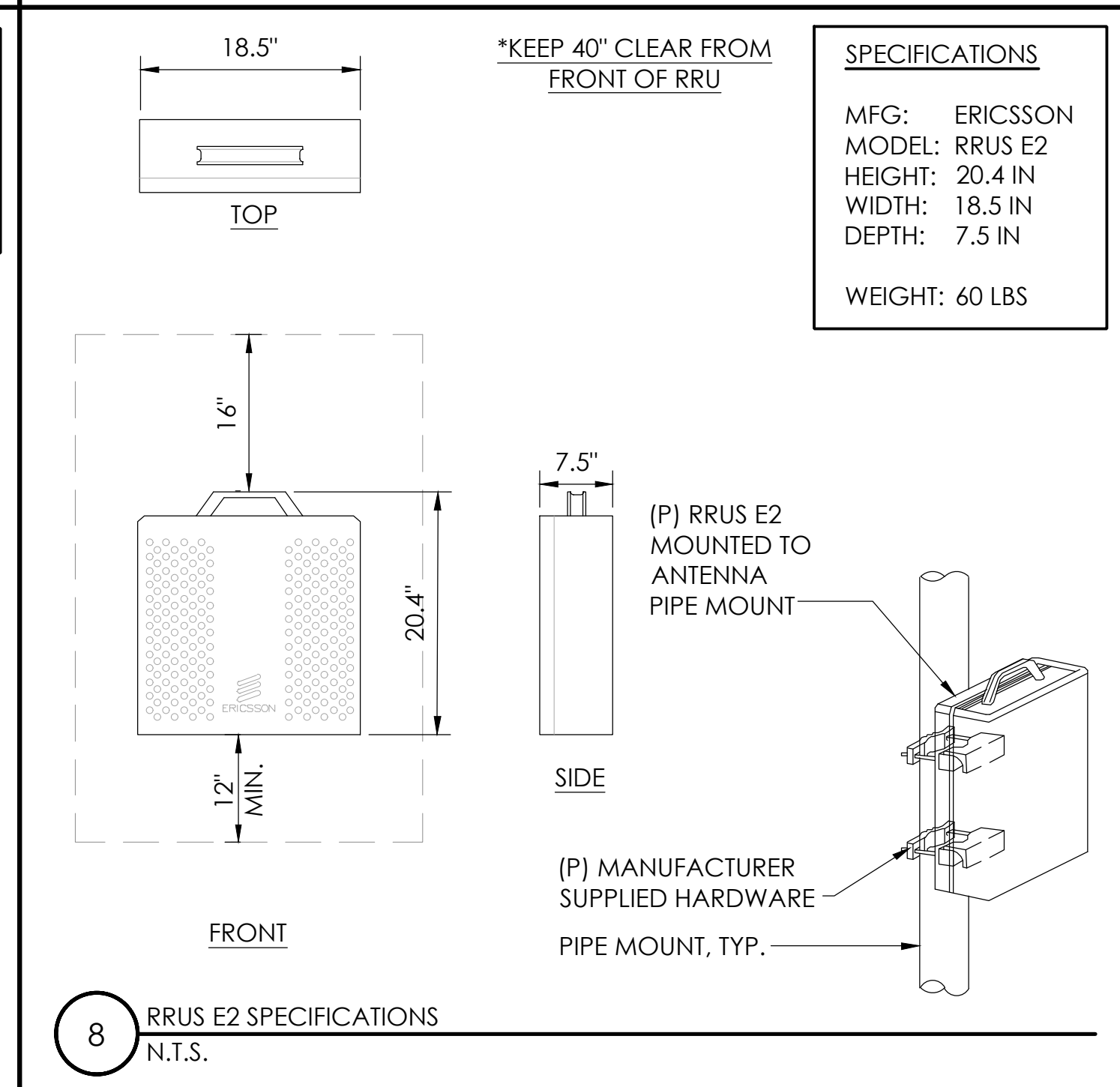
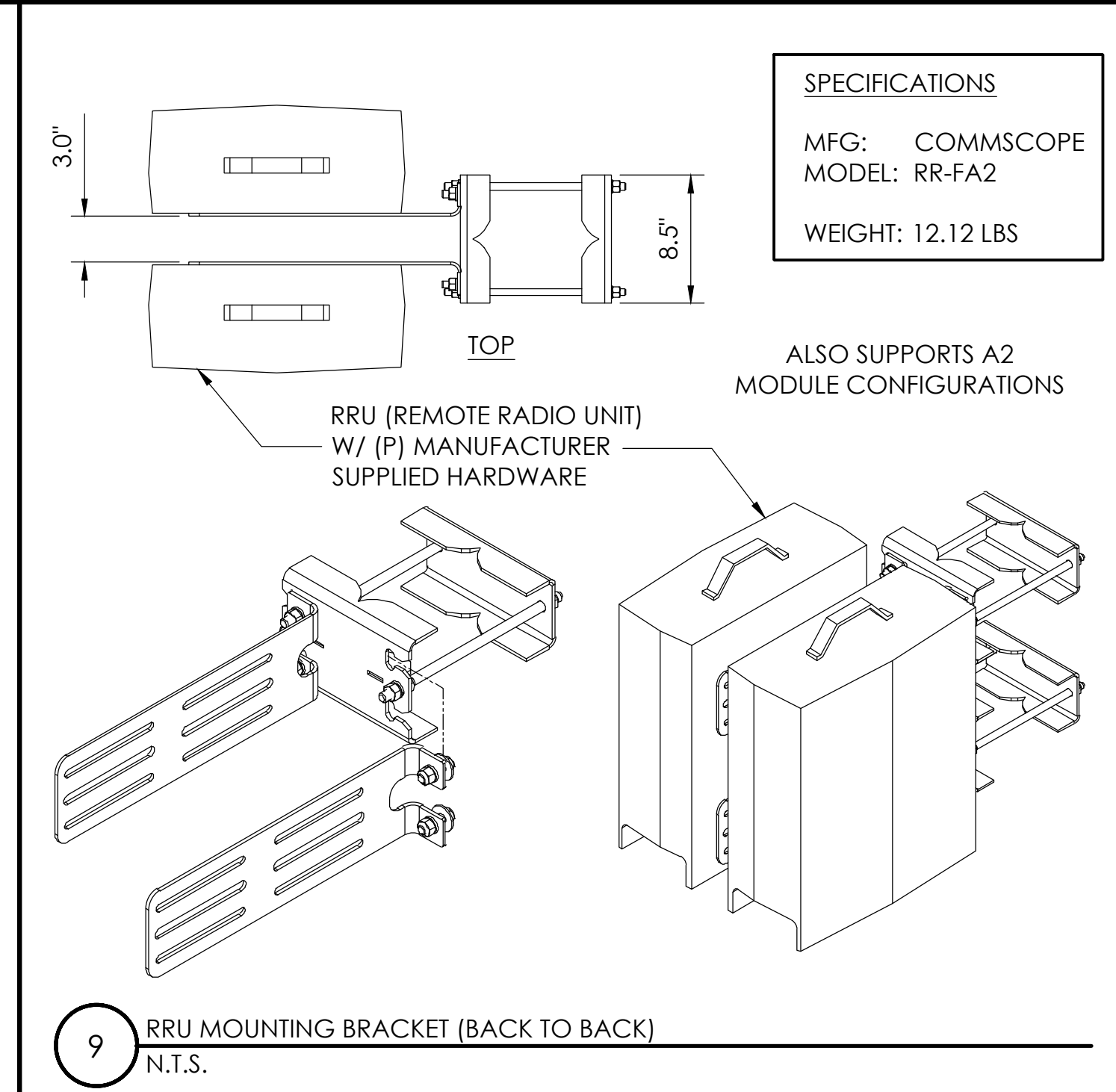
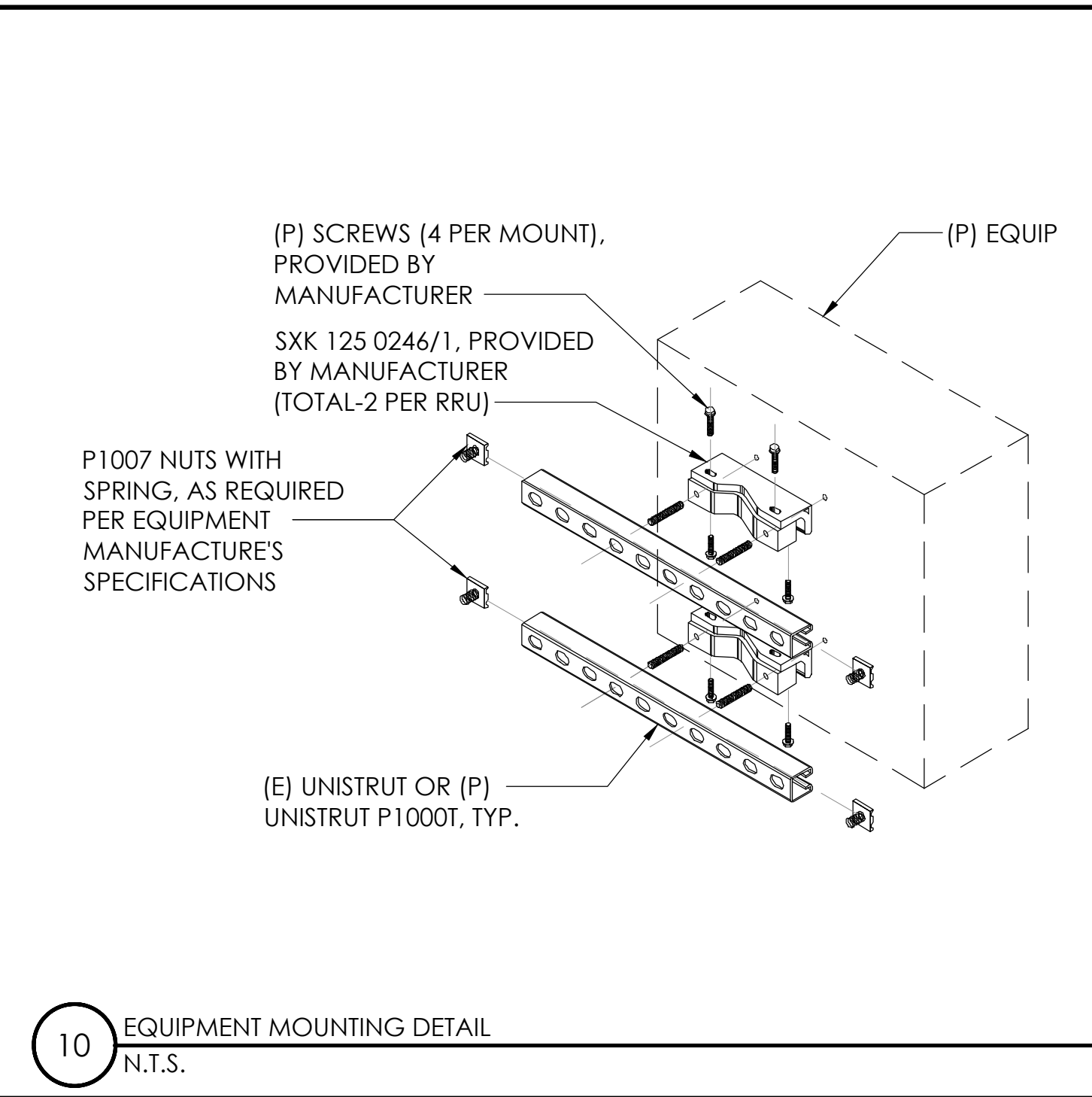
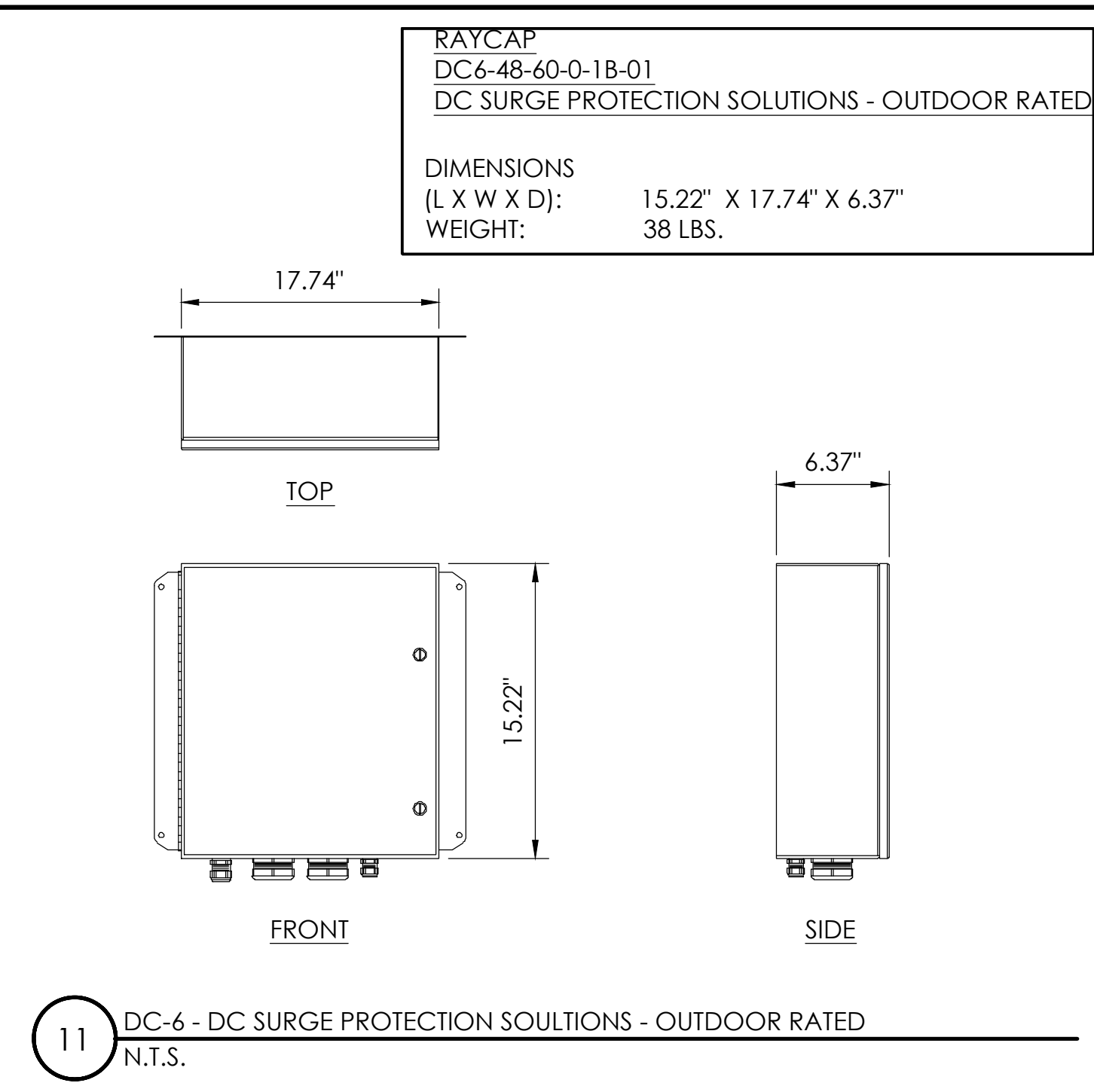
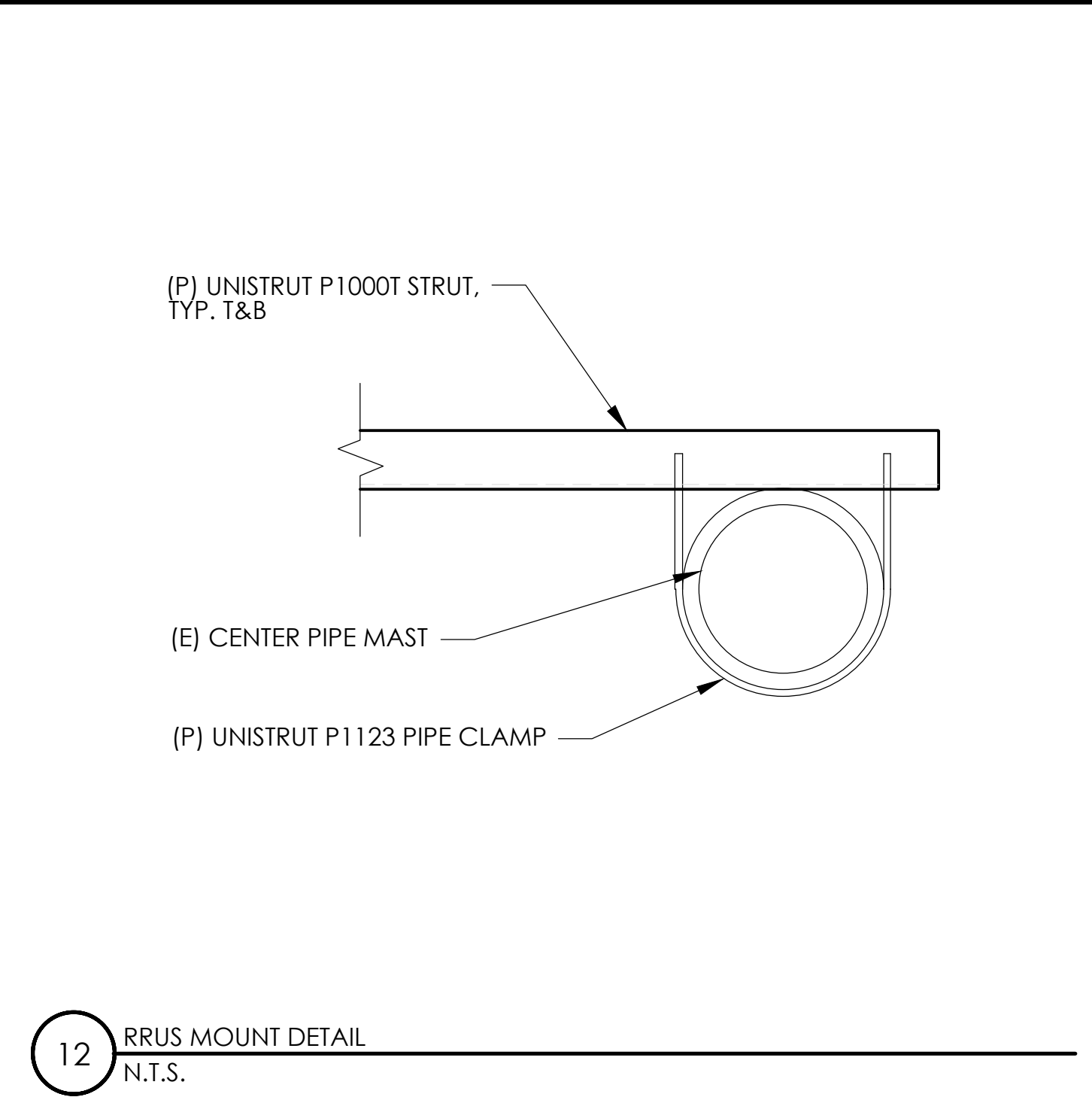
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Sheet Title:

**SOUTHEAST
ELEVATIONS**

Sheet Number:

A-4



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MORGAN HILL, CA 95037

Sheet Title:

DETAILS

Sheet Number:

D-1



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3

4


ANTENNA FRAME ASSEMBLY (MODEL# VFA8-RRU)
N.T.S.

CCL03263

D-2

NOTES TO CONTRACTOR:
1. CONTRACTOR IS TO REFER TO AT&T'S MOST CURRENT RADIO FREQUENCY DATA SHEET (RFDs) PRIOR TO CONSTRUCTION.

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Vendor:

 **J5 INFRASTRUCTURE PARTNERS**

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Sheet Title:

**PLUMBING
DIAGRAM**

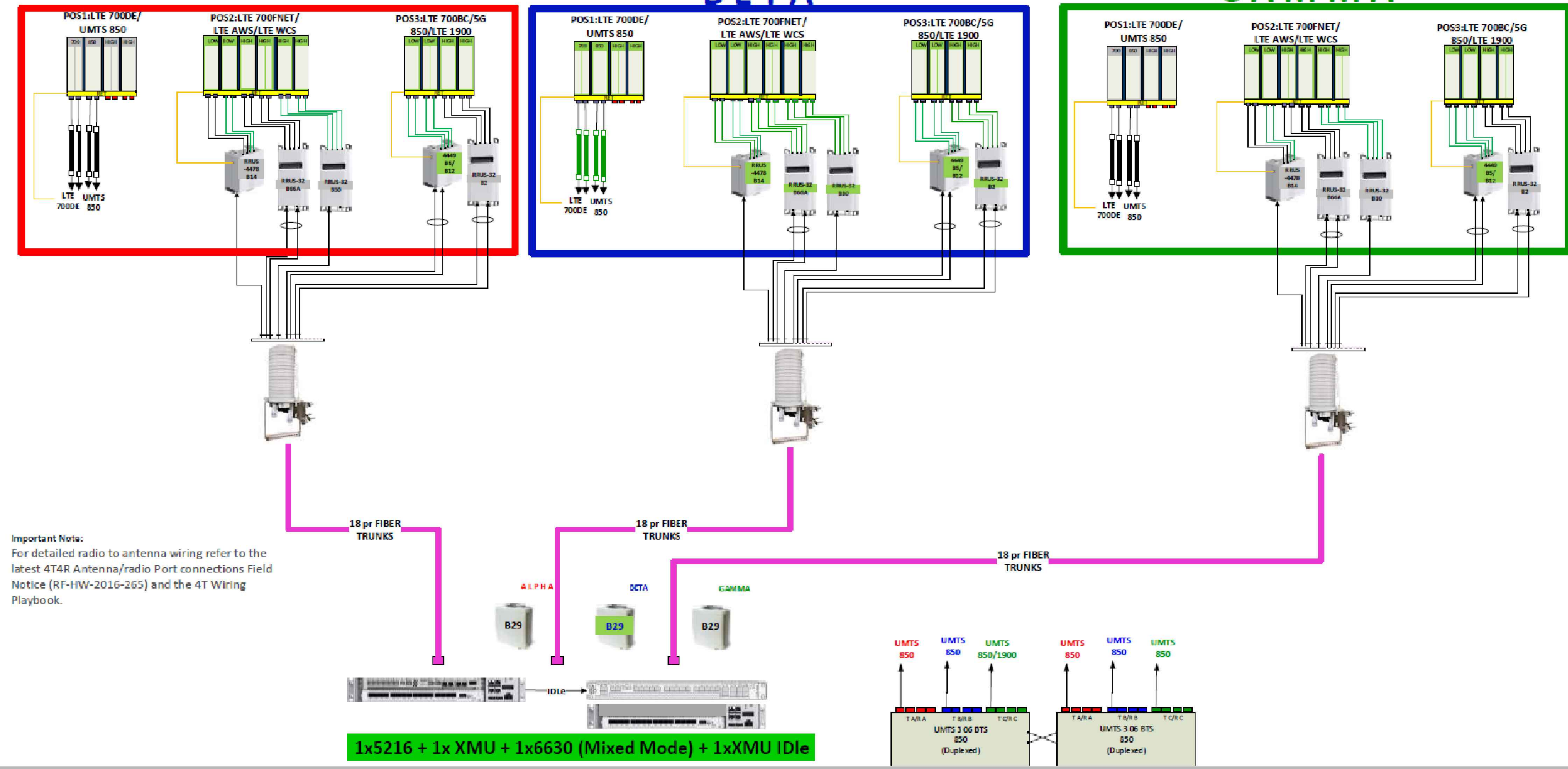
Sheet Number:

RF-1

ALPHA

BETA

GAMMA



RECOMMENDATIONS:

AT&T SECTOR A
TO BE INSTALLED: A 12' x 20' WIDE PHYSICAL BARRIER WITH CAUTION 2 SIGN
ON EACH POST OF THE PHYSICAL BARRIER EVERY 8' APART.

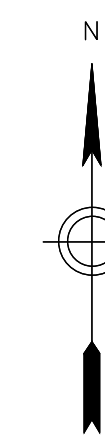
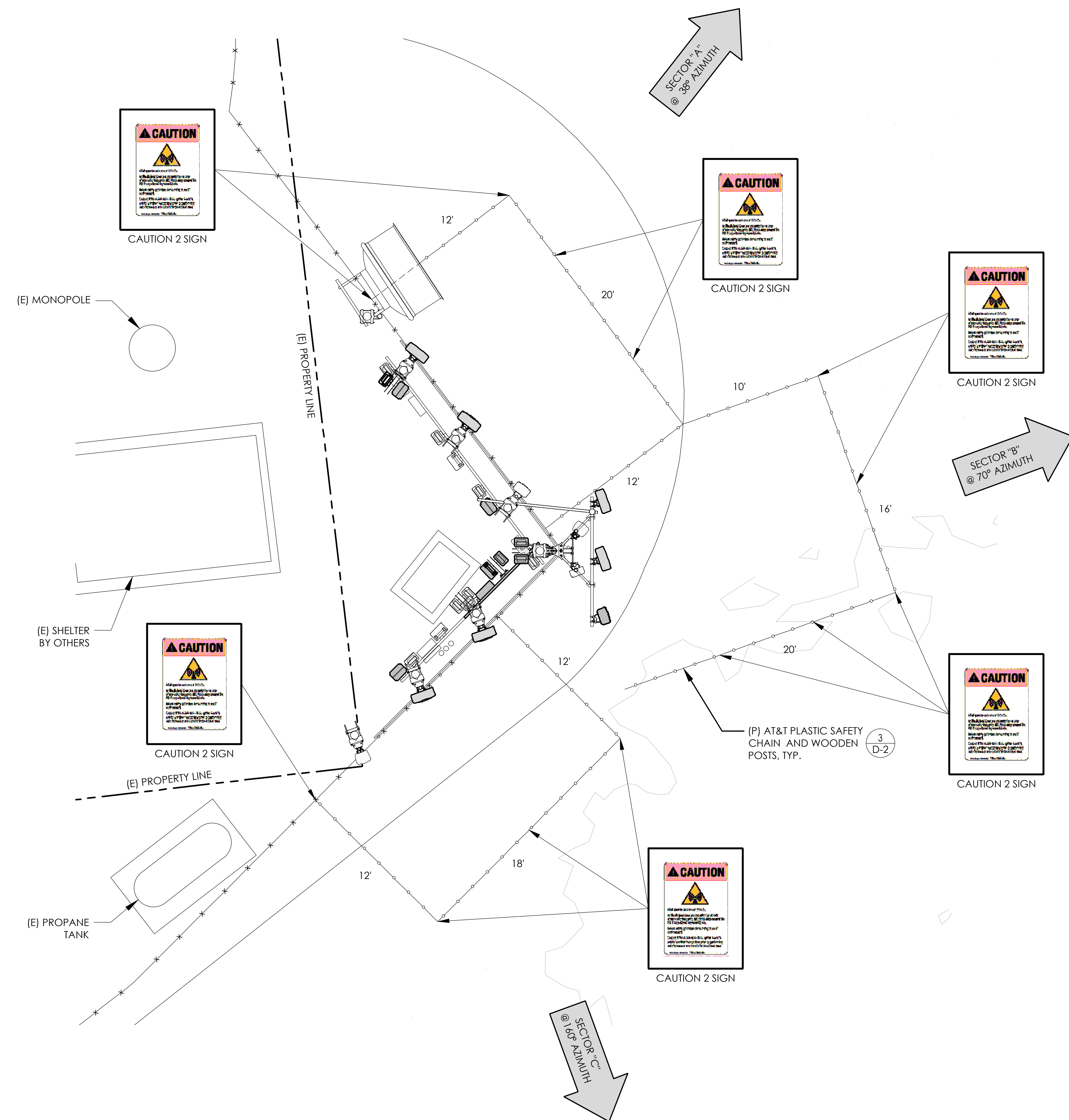
AT&T SECTOR B
TO BE INSTALLED: A 10' x 16' x 20' PHYSICAL BARRIER WITH CAUTION 2 SIGN ON
EACH POST OF THE PHYSICAL BARRIER EVERY 8' APART.

AT&T SECTOR C
TO BE INSTALLED: A 12' x 18' WIDE PHYSICAL BARRIER WITH CAUTION 2 SIGN
ON EACH POST OF THE PHYSICAL BARRIER EVERY 8' APART.


NOTE:

1. RF SAFETY MEASURES COMPLETED PER EME REPORT COMPLETED ON
05/15/2020, BY "OSC ENGINEERING INC."

2. ANY OTHER RF REPORT IS FOR REFERENCE ONLY.



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Sheet Title:

**EME SIGNAGE
LOCATION PLAN**

Sheet Number:

EME-1

GROUNDING NOTES:

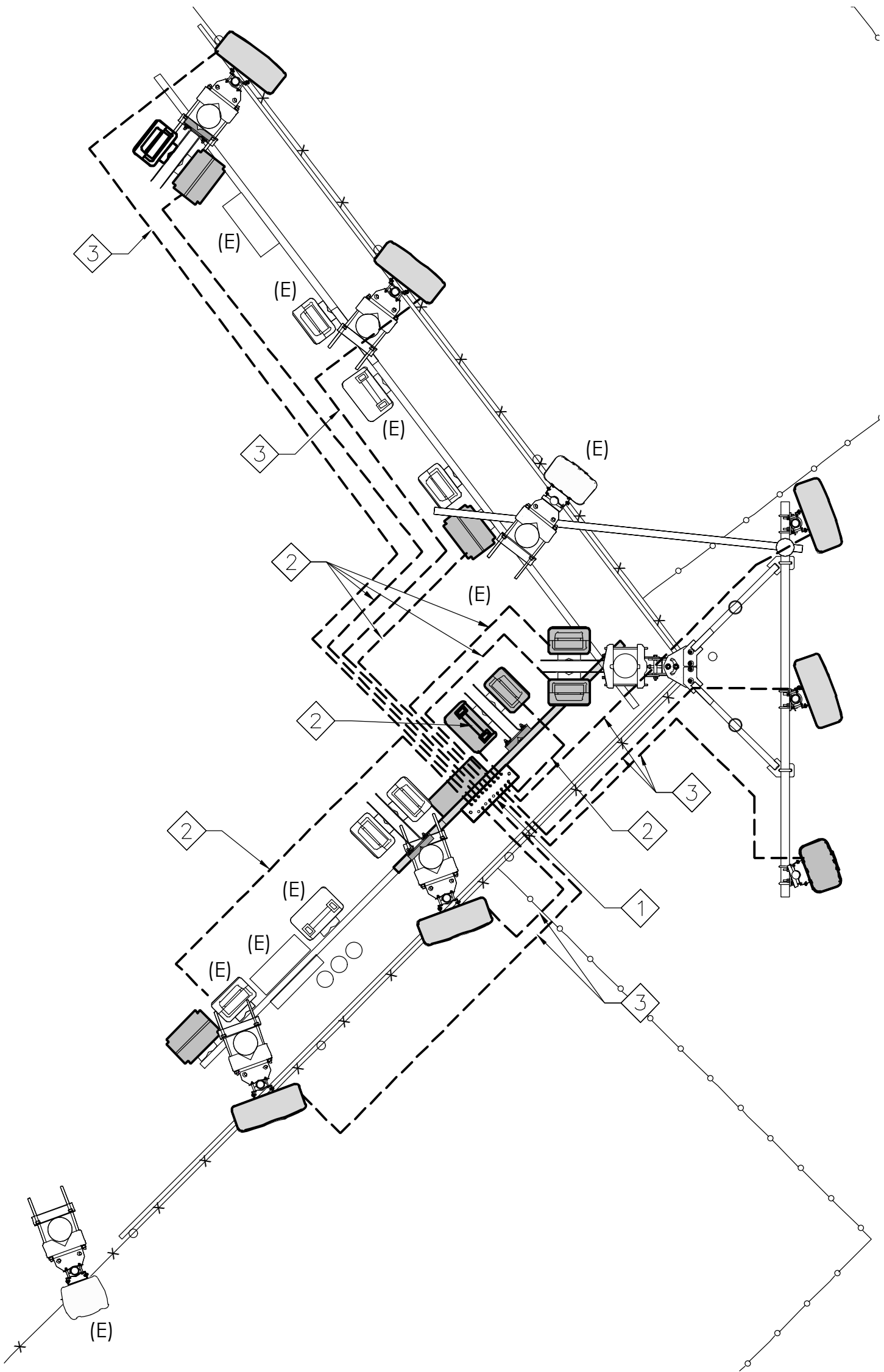
- ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION REQUIREMENTS AND CONSTRUCTION ACCORDING TO SITE CONDITIONS.
- ALL GROUNDING CONDUCTORS: #2 AWG SOLID BARE TINNED COPPER WIRE UNLESS OTHERWISE NOTED.
- GROUND BAR LOCATED IN BASE OF EQUIPMENT WILL BE PROVIDED, FURNISHED AND INSTALLED BY THE VENDOR.
- ALL BELOW GRADE CONNECTIONS: EXOTHERMIC WELD TYPE, ABOVE GRADE CONNECTIONS: EXOTHERMIC WELD TYPE.
- GROUND RING SHALL BE LOCATED A MINIMUM OF 24" BELOW GRADE OR 6" MINIMUM BELOW THE FROST LINE.
- INSTALL GROUND CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE SLAB, SPREAD FOOTING, OR FENCE.
- EXOTHERMIC WELD GROUND CONNECTION TO FENCE POST: TREAT WITH A COLD GALVANIZED SPRAY.
- GROUND BARS:
A) EQUIPMENT GROUND BUS BAR (EGB) LOCATED AT THE BOTTOM OF ANTENNA POLE/MAST FOR MAKING GROUNDING JUMPER CONNECTIONS TO COAX FEEDER CABLES SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. JUMPERS (FURNISHED BY OWNERS) SHALL BE INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR.
- ALL GROUNDING INSTALLATIONS AND CONNECTIONS SHALL BE MADE BY ELECTRICAL CONTRACTOR.
- OBSERVE N.E.C. AND LOCAL UTILITY REQUIREMENTS FOR ELECTRICAL SERVICE GROUNDING.
- GROUNDING ATTACHMENT TO TOWER SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS OR AT GROUNDING POINTS PROVIDED (2 MINIMUM).
- IF EQUIPMENT IS IN A C.I.L. FENCE ENCLOSURE, GROUND ONLY CORNER POSTS AND SUPPORT POSTS OF GATE. IF CHAIN LINK LID IS USED, THEN GROUND LID ALSO.
- GROUNDING AT PPC CABINET SHALL BE VERTICALLY INSTALLED.
- ALL GROUNDING FOR ANTENNAS SHALL BE CONNECTED SO THAT IT WILL BY-PASS MAIN BUSS BAR.
- ALL EMT RUNS SHALL BE GROUNDED AND HAVE A BUSHING, NO PVC ABOVE GROUND.
- USE SEPARATE HOLES FOR GROUNDING AT BUSS BAR. NO "DOUBLE-UP" OF LUGS.
- POWER AND TELCO CABINETS SHALL BE GROUNDED (BONDED) TOGETHER.
- NO LB'S ALLOWED ON GROUNDING.

- PROVIDE STAINLESS STEEL CLAMP AND BRASS TAGS ON COAX AT ANTENNAS AND DOGHOUSE.
- ALL ELECTRICAL AND GROUNDING AT THE CELL SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 780 (LATEST EDITION), AND MANUFACTURER SPECIFICATION.
- IF THE AC PANEL IN THE POWER CABINET IS WIRED AS SERVICE ENTRANCE, THE AC SERVICE GROUND CONDUCTOR SHALL BE CONNECTED TO GROUND ELECTRODE SYSTEM. WHEN THE AC PANEL IN THE POWER CABINET IS CONSIDERED A SUB-PANEL, THE GROUND WIRE SHALL BE INSTALLED IN THE AC POWER CONDUIT. THE INSTALLATION SHALL BE PER LOCAL AND NATIONAL ELECTRIC CODE (NFPA-70).
- EXOTHERMIC WELDING IS RECOMMENDED FOR GROUNDING CONNECTION WHERE PRACTICAL. OTHERWISE, THE CONNECTION SHALL BE MADE USING COMPRESSION TYPE-2 HOLES. LONG BARREL LUGS OR DOUBLE CRIMP CLAMP "C" CLAMP. THE COPPER CABLES SHALL BE COATED WITH ANTIOXIDANT (COPPER SHIELD) BEFORE MAKING THE CONNECTIONS. THE MANUFACTURER'S TORQUING RECOMMENDATIONS ON THE BOLT ASSEMBLY TO SECURE CONNECTIONS SHALL BE FOLLOWED.
- THE ANTENNA CABLES SHALL BE GROUNDED AT THE TOP AND BOTTOM OF THE VERTICAL RUN FOR LIGHTING PROTECTION. THE ANTENNA CABLE SHIELD SHALL BE BONDED TO A COPPER GROUND BUSS AT THE LOWER MOST POINT OF A VERTICAL RUN JUST BEFORE IT BEGINS TO BEND TOWARD THE HORIZONTAL PLANE. WIRE RUNS TO GROUND SHALL BE KEPT AS STRAIGHT AND SHORT AS POSSIBLE. ANTENNA CABLE SHIELD SHALL BE GROUNDED JUST BEFORE ENTERING THE CELL CABINET. ANY ANTENNA CABLES OVER 200 FEET IN LENGTH SHALL ALSO BE EQUIPPED WITH ADDITIONAL GROUNDING AT MID-POINT.
- ALL GROUNDING CONDUCTORS INSIDE THE BUILDING SHALL BE RUN IN CONDUIT RACEWAY SYSTEM, AND SHALL BE INSTALLED AS STRAIGHT AS PRACTICAL WITH MINOR BENDS TO AVOID OBSTRUCTIONS. THE BENDING RADIUS OF ANY #2 GROUNDING CONDUCTOR IS 8". PVC RACEWAY MAY BE FLEXIBLE OR RIGID PER THE FIELD CONDITIONS. GROUNDING CONDUCTORS SHALL NOT MAKE CONTACT WITH ANY METALLIC CONDUITS, SURFACES OR EQUIPMENT.
- PROVIDE PVC SLEEVES WHERE GROUNDING CONDUCTORS PASS THROUGH THE BUILDING WALLS AND /OR CEILING.
- INSTALL GROUND BUSHINGS ON ALL METALLIC CONDUITS AND BOND TO THE EQUIPMENT GROUND BUSS IN THE PANEL BOARD.
- GROUND ANTENNA BASES, FRAMES, CABLE RACKS AND OTHER METALLIC COMPONENTS WITH #2 GROUNDING CONDUCTORS AND CONNECT TO INSULATED SURFACE MOUNTED GROUND BARS. CONNECTION DETAILS SHALL FOLLOW MANUFACTURER'S SPECIFICATIONS FOR GROUNDING.
- ALL PROPOSED GROUNDING CONDUCTORS SHALL BE ROUTED AND CONNECTED TO THE MAIN GROUND BAR OR EXISTING GROUND RING.

KEY NOTES:

- (E) ANTENNA GROUND BAR TO BE VERIFIED @ FIELD
- AWG 2 INSULATED COPPER GROUND WIRE FROM (N) RRUS AND DC6 TO (E) ANTENNA GROUND BAR
- AWG 6 INSULATED COPPER GROUND WIRE FROM GROUND KIT TO (E) ANTENNA GROUND BAR

NOTES:
1. REFER TO TYP. ANTENNA GROUNDING DIAGRAM
2. (E) GROUND WIRES ARE NOT SHOWN FOR CLARITY

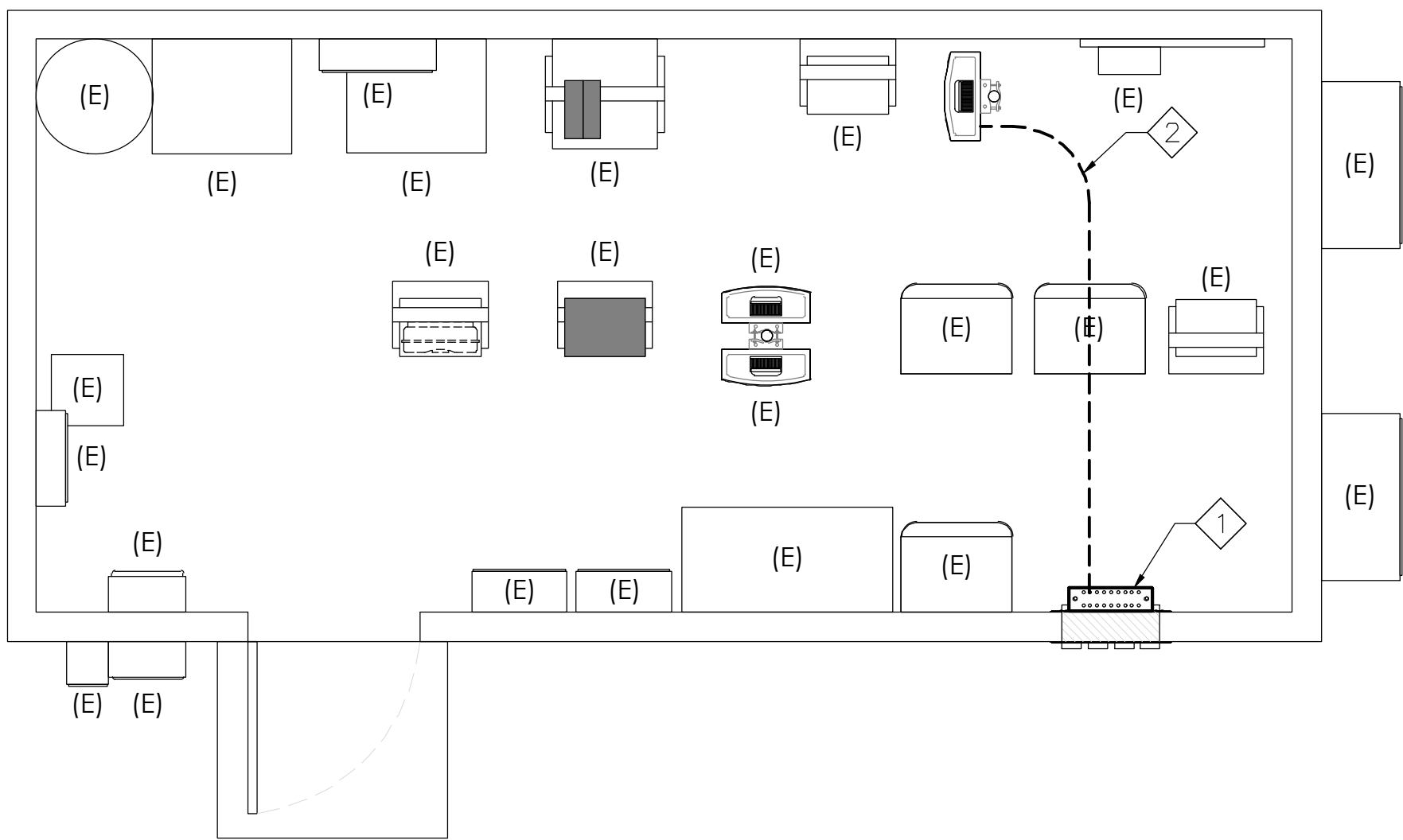


3 ANTENNA GROUNDING PLAN
N.T.S.

KEY NOTES:

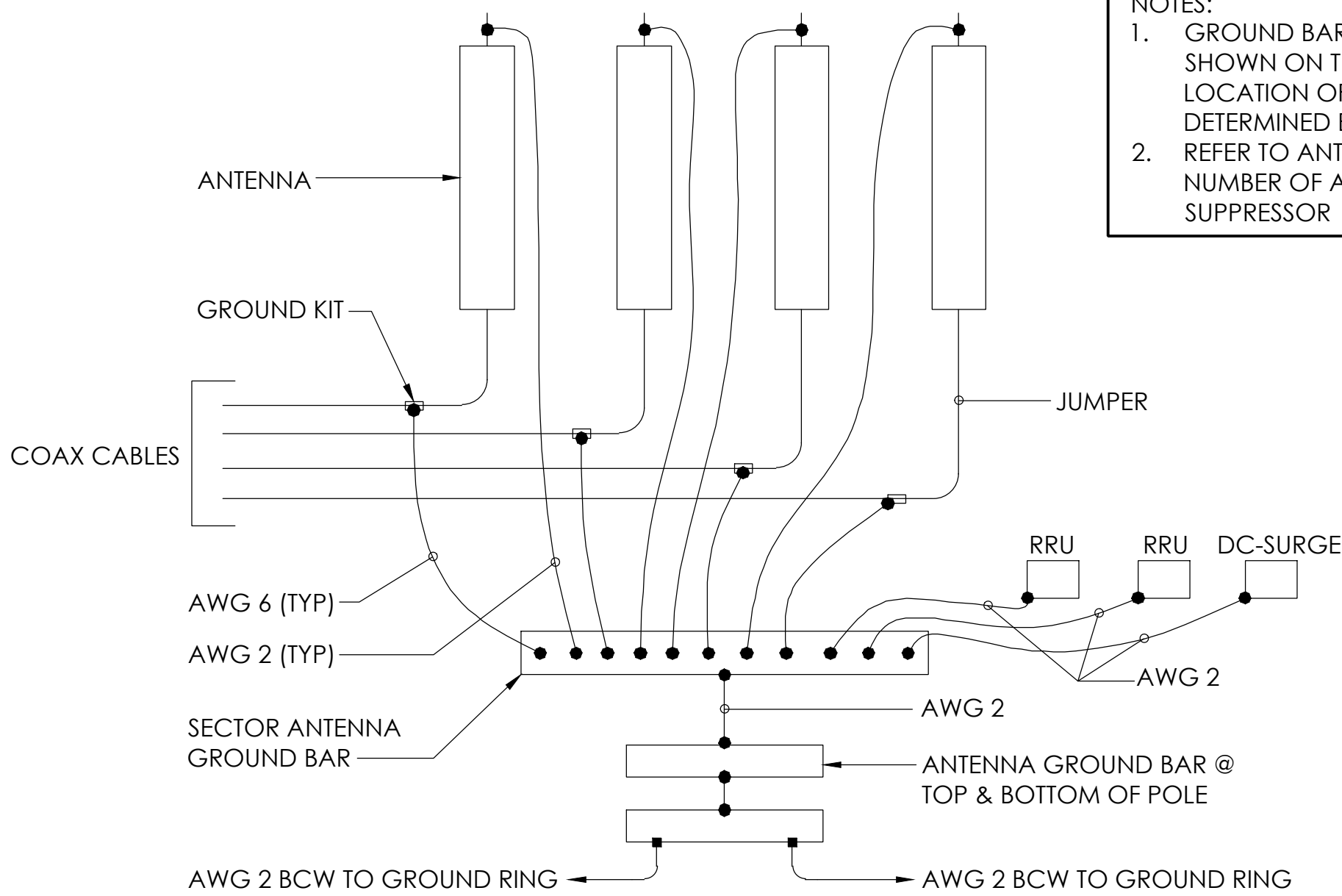
- (E) EQUIPMENT GROUND BAR TO BE VERIFIED @ FIELD
- AWG 2 INSULATED COPPER TO (E) EQUIPMENT GROUND BAR

NOTE:
1. (E) GROUND WIRES ARE NOT SHOWN FOR CLARITY.



1 EQUIPMENT GROUNDING PLAN
N.T.S.

3 GROUNDING NOTES
N.T.S.



NOTES:
1. GROUND BAR LOCATION IS SCHEMATIC AS SHOWN ON THIS SHEET AND ACTUAL LOCATION OF INSTALLATION WILL BE DETERMINED BY THE INSTALLER.
2. REFER TO ANTENNA PLAN FOR EXACT NUMBER OF ANTENNA, RRU AND DC SURGE SUPPRESSOR

2 TYP. ANTENNA GROUNDING DIAGRAM
N.T.S.

PREPARED FOR



5001 EXECUTIVE PKWY,
SAN RAMON CA 94583

Vendor:



1150 BALLENA BLVD. UNIT 259
ALAMEDA, CA 94501

P-044379

AT&T Site ID:

CCL03263

REV	DATE	DESCRIPTION	INT.
2	08/03/20	COLORED ELEV	MM3
1	05/21/20	EME REPORT	JSC
0	05/05/20	100% CD	MM3
A	04/15/20	90% CD	JSC

Licenser:



SIGNED: 2020/08/04
EXPIRES: 2021/09/30

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1305 WEST DUNNE AVENUE
MORGAN HILL, CA 95037

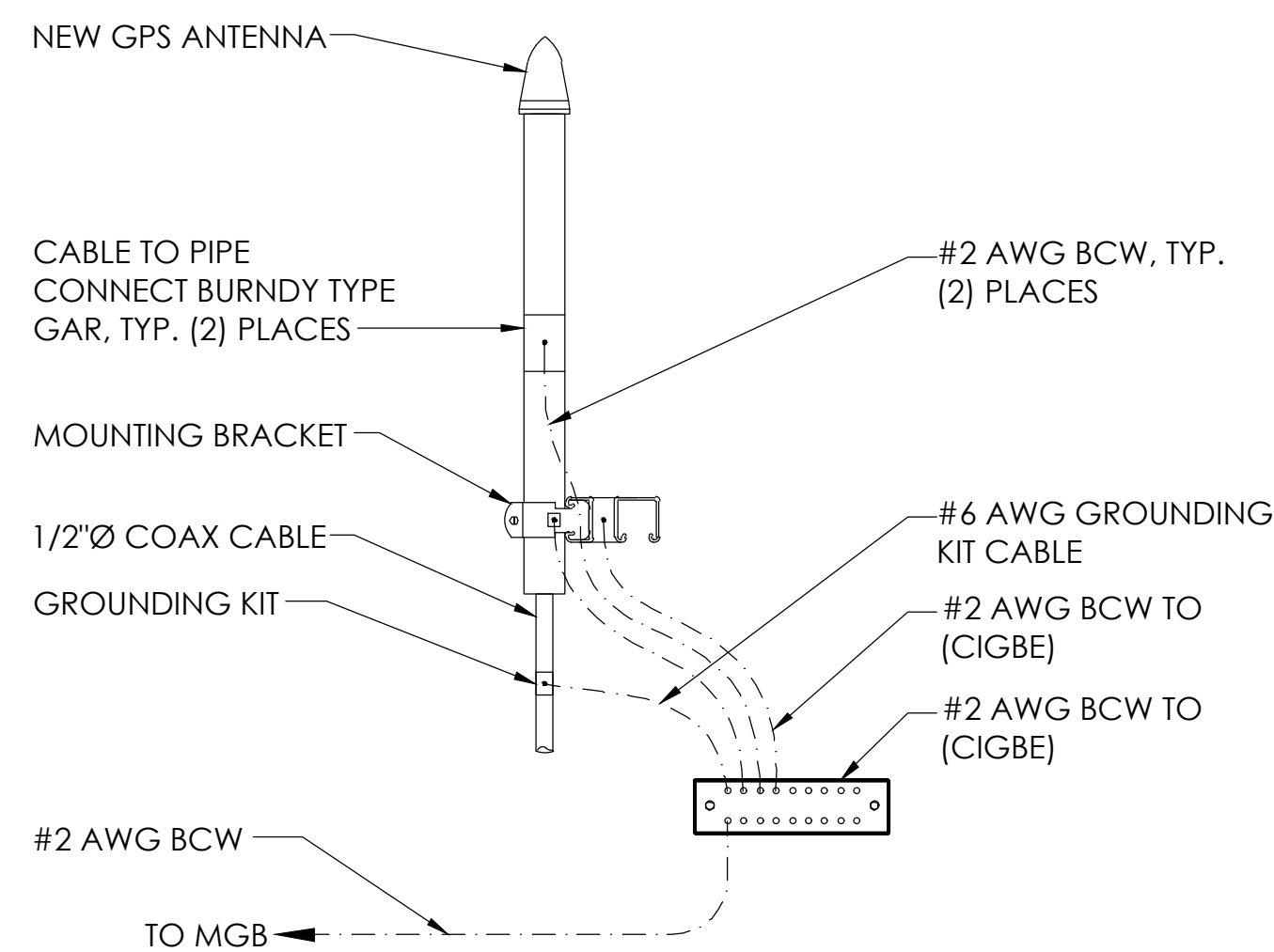
Sheet Title:

GROUNDING
PLANS & NOTES

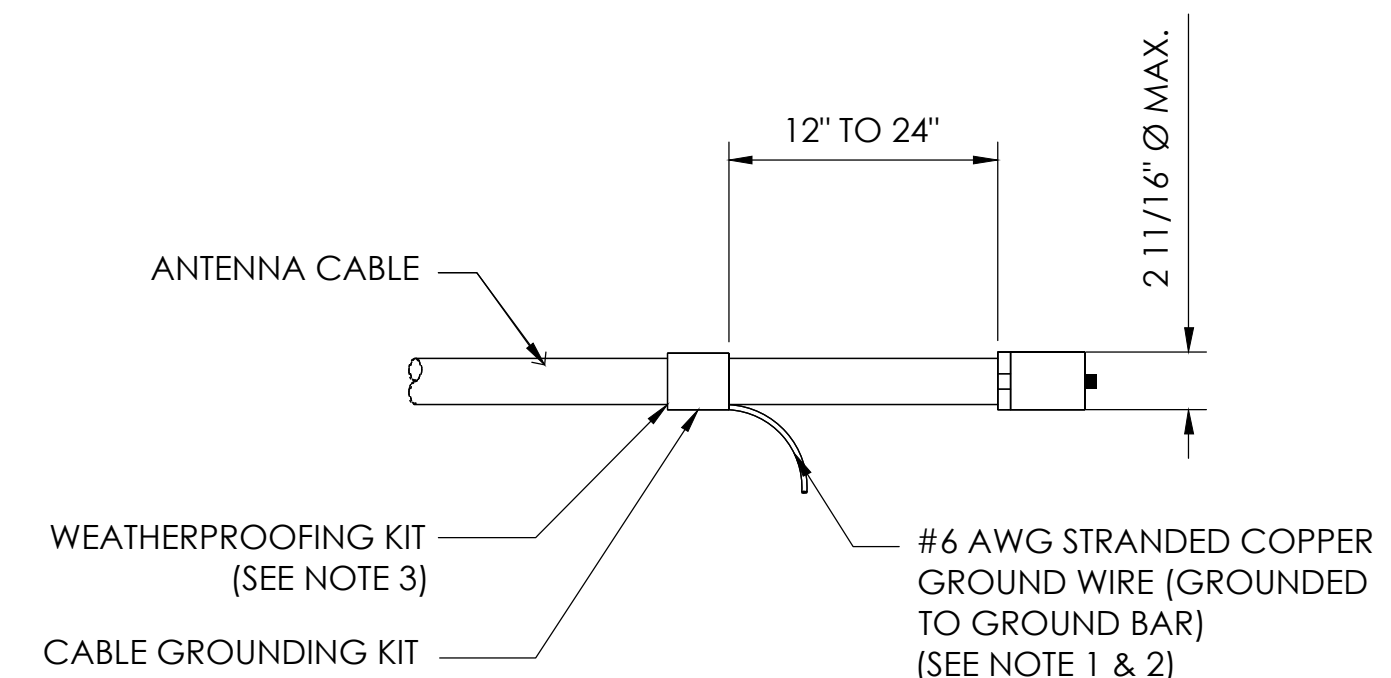
Sheet Number:

G-1

10 NOT USED
N.T.S.



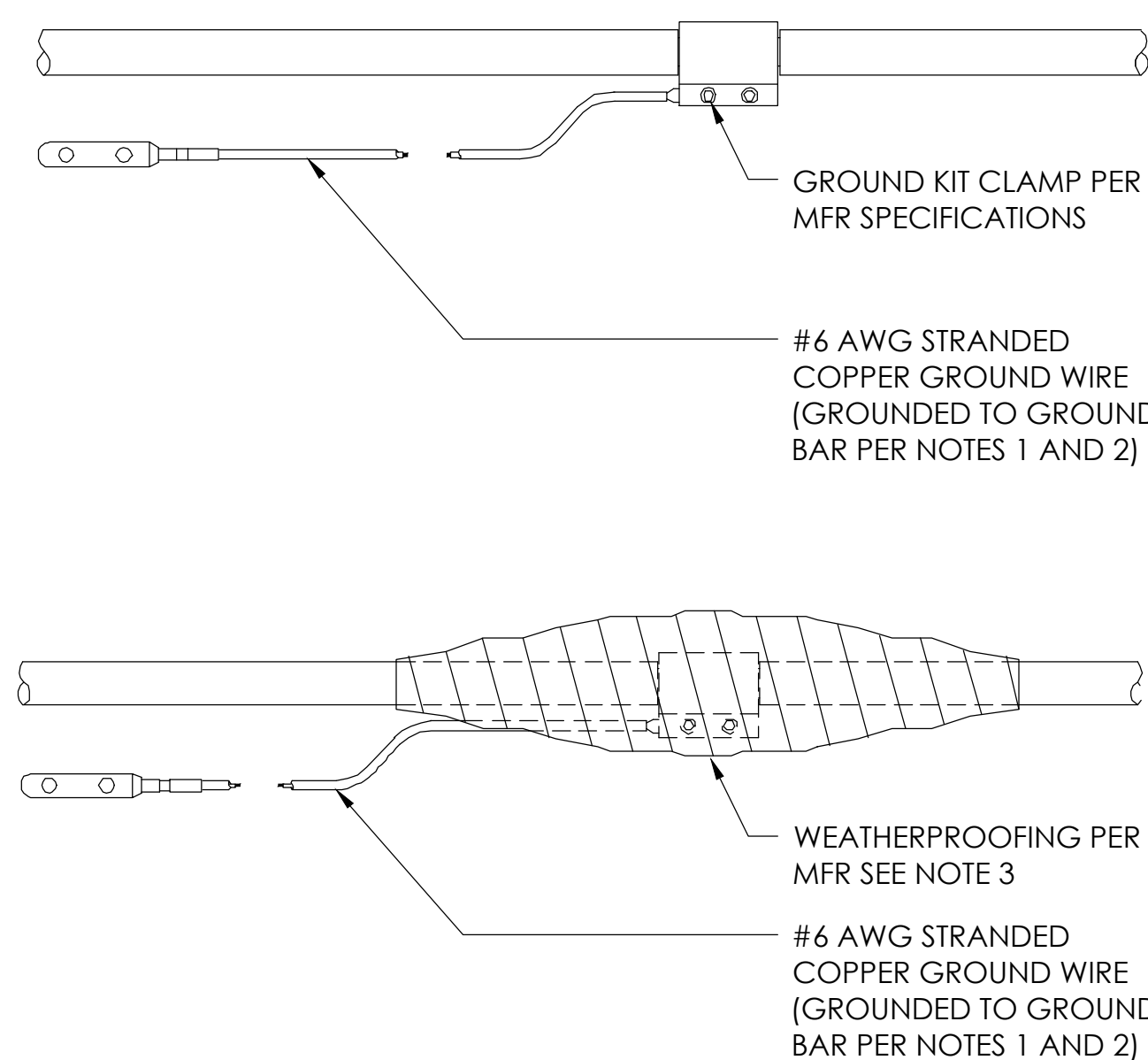
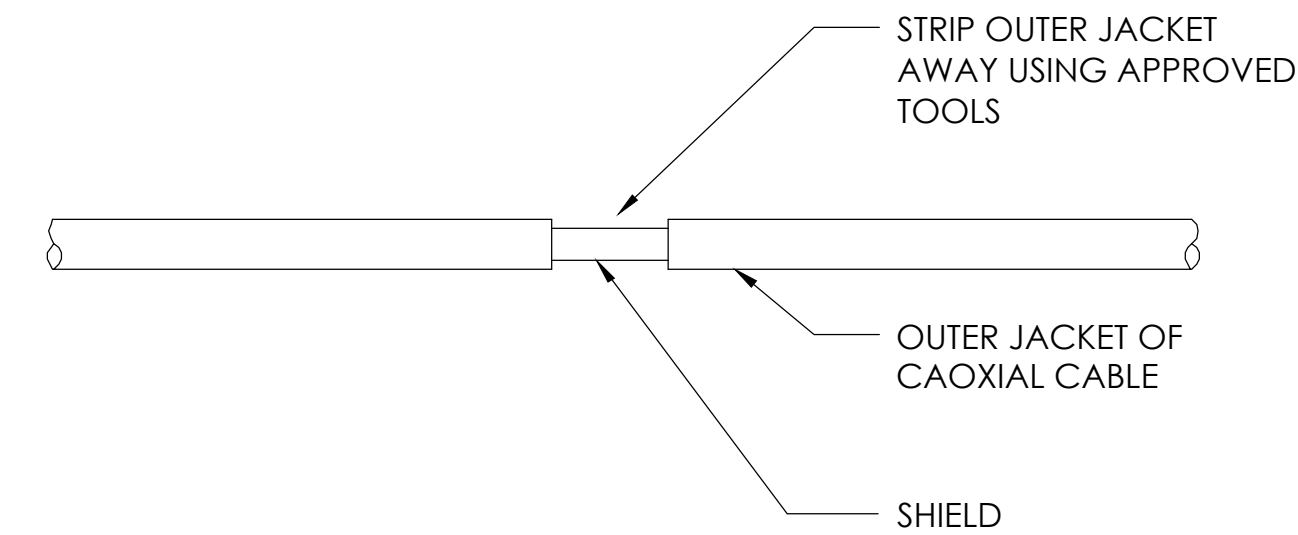
9 GPS ANTENNA GROUNDING
N.T.S.



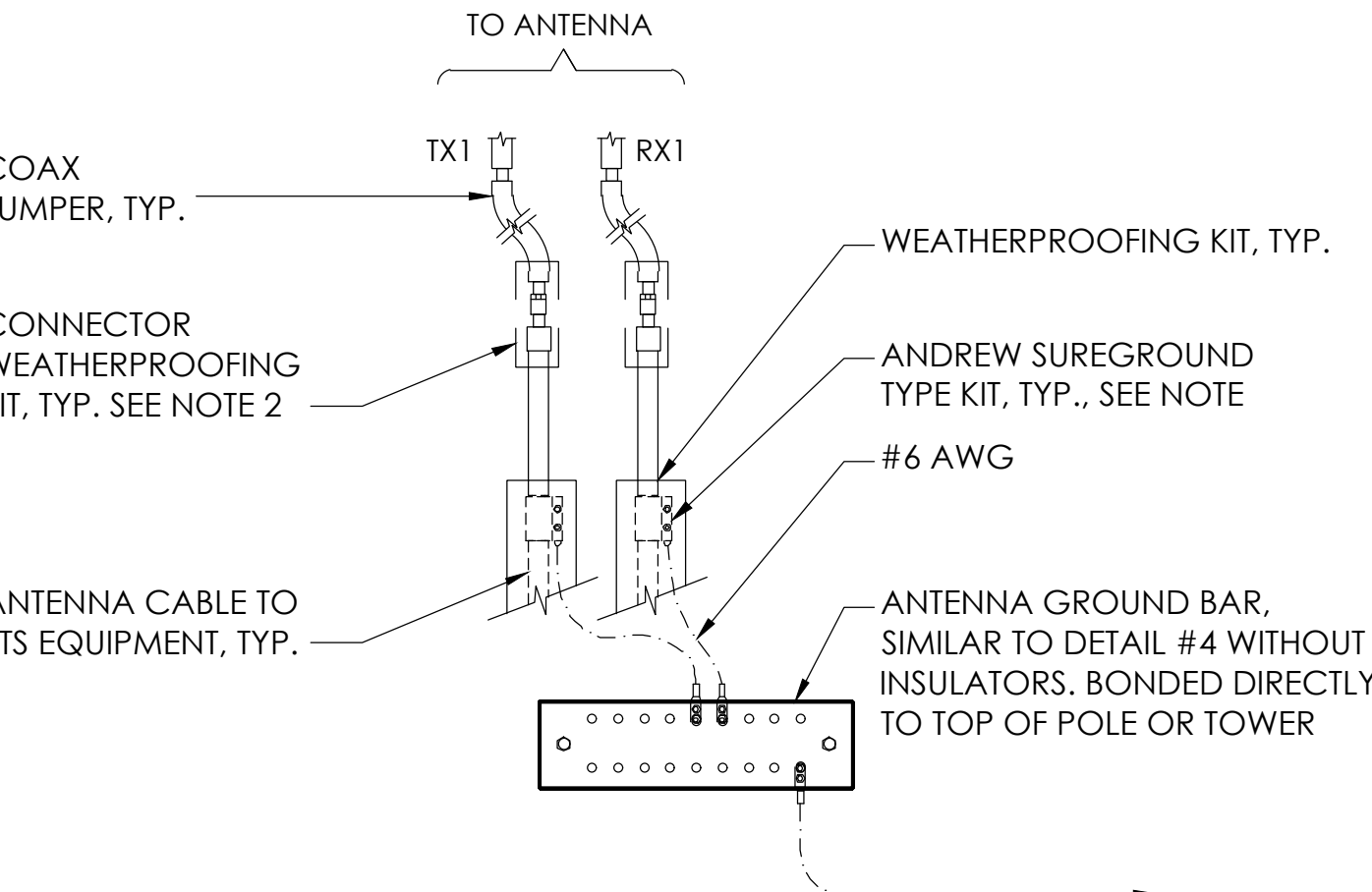
NOTE:
1 DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT WIRE DOWN TO GROUND BAR.
2 GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
3 WEATHER PROOFING SHALL BE (TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.)

8 CONNECTION OF GROUND KIT TO ANTENNA CABLE
N.T.S.

NOTES:
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR
2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MFR
3. WEATHER PROOFING SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY THE CABLE MFR

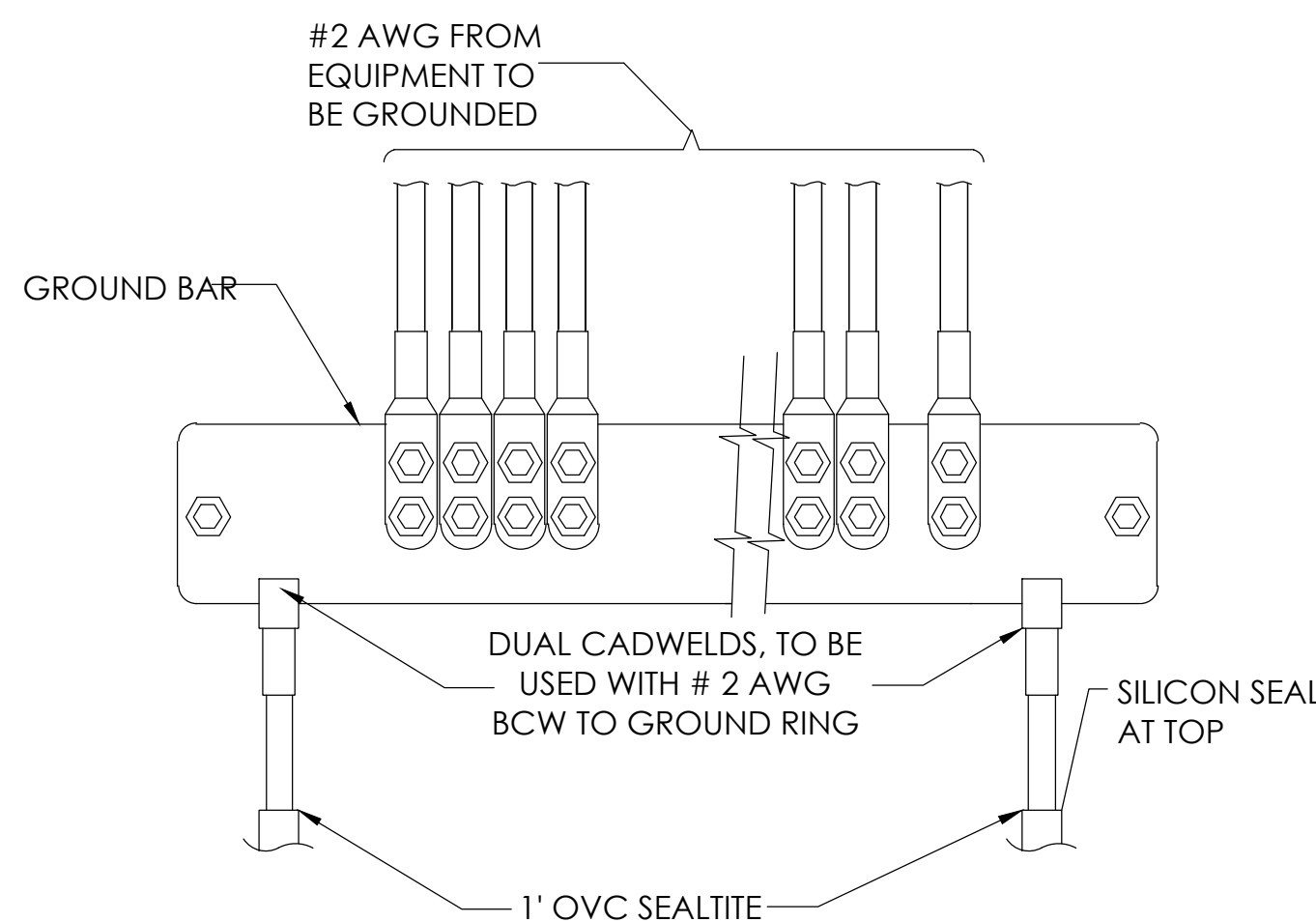


7 GROUND KIT
N.T.S.



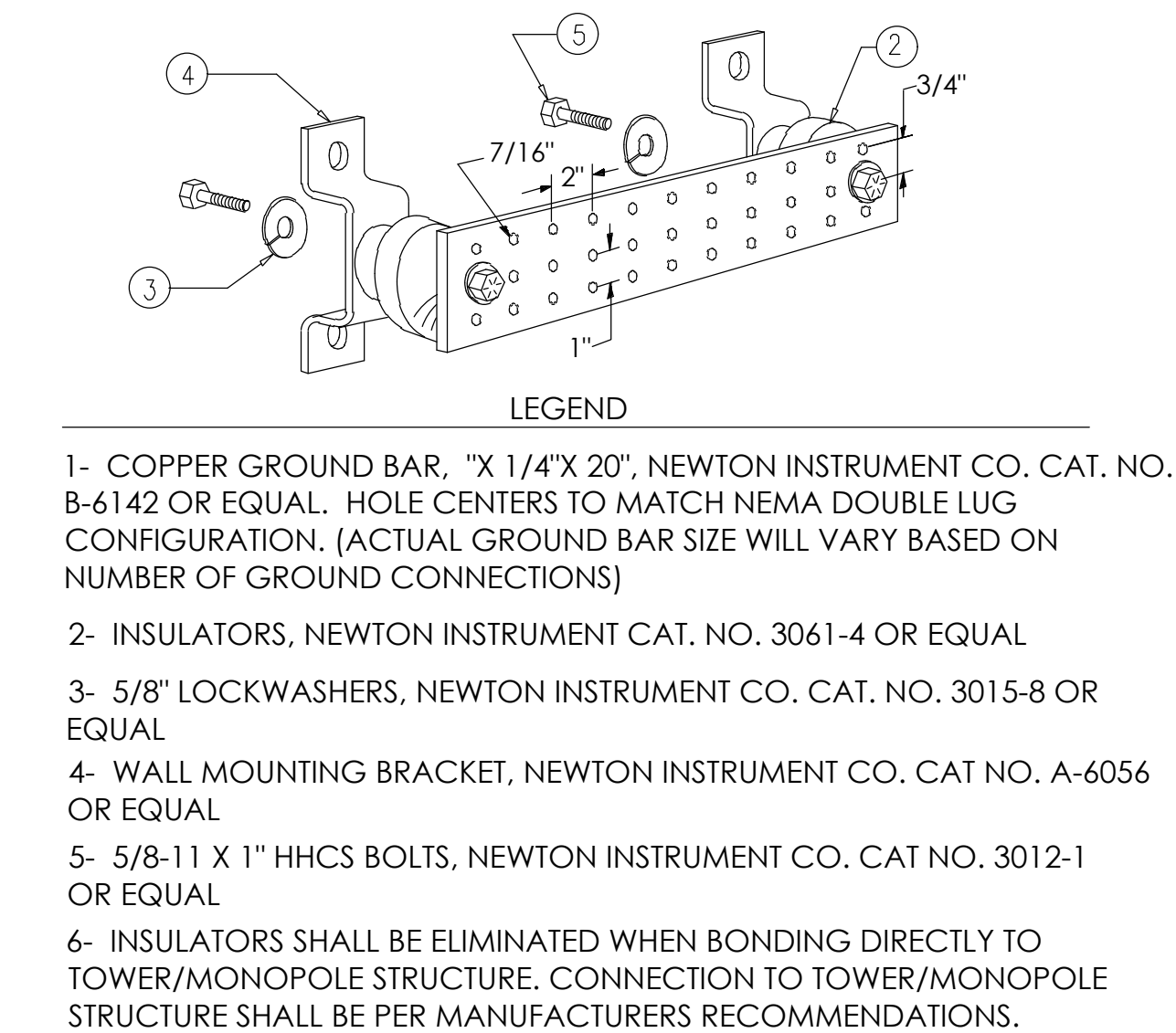
NOTE:
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
2. WEATHER PROOFING SHALL BE ANDREW TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED

6 GROUND CONNECTION TO GROUND BAR
N.T.S.



NOTE:
1. CONTRACTOR TO UTILIZE KOPR-SHIELD (THANS & BETTS) ON ALL LUG CONNECTIONS OR APPROVED EQUAL
2. ALL LUGS TO BE DUAL HOLE LONG BARREL AND CRIMPED TWICE WITH MFR'S RECOMMENDED TOOL

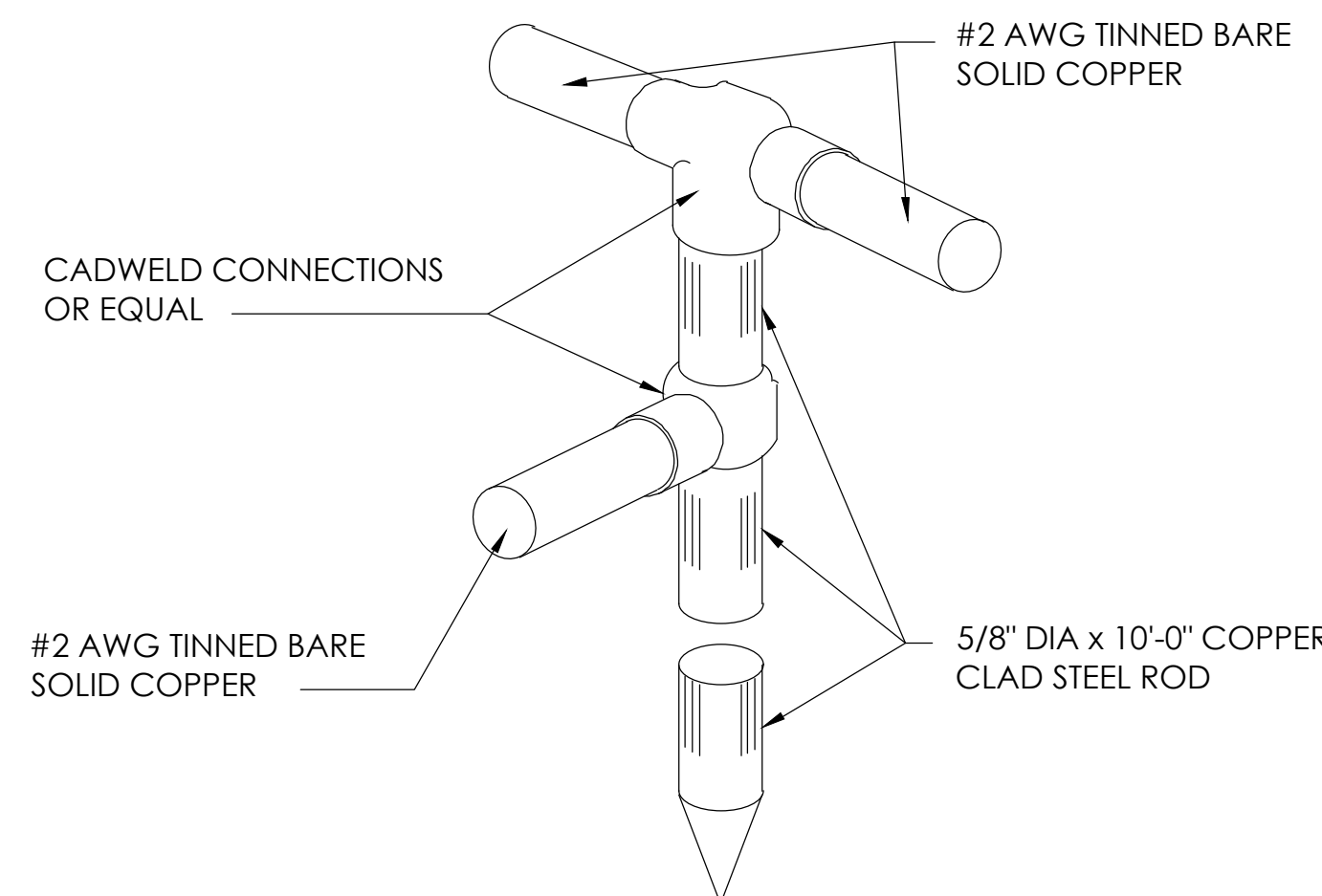
5 GROUND BAR CONNECTION
N.T.S.



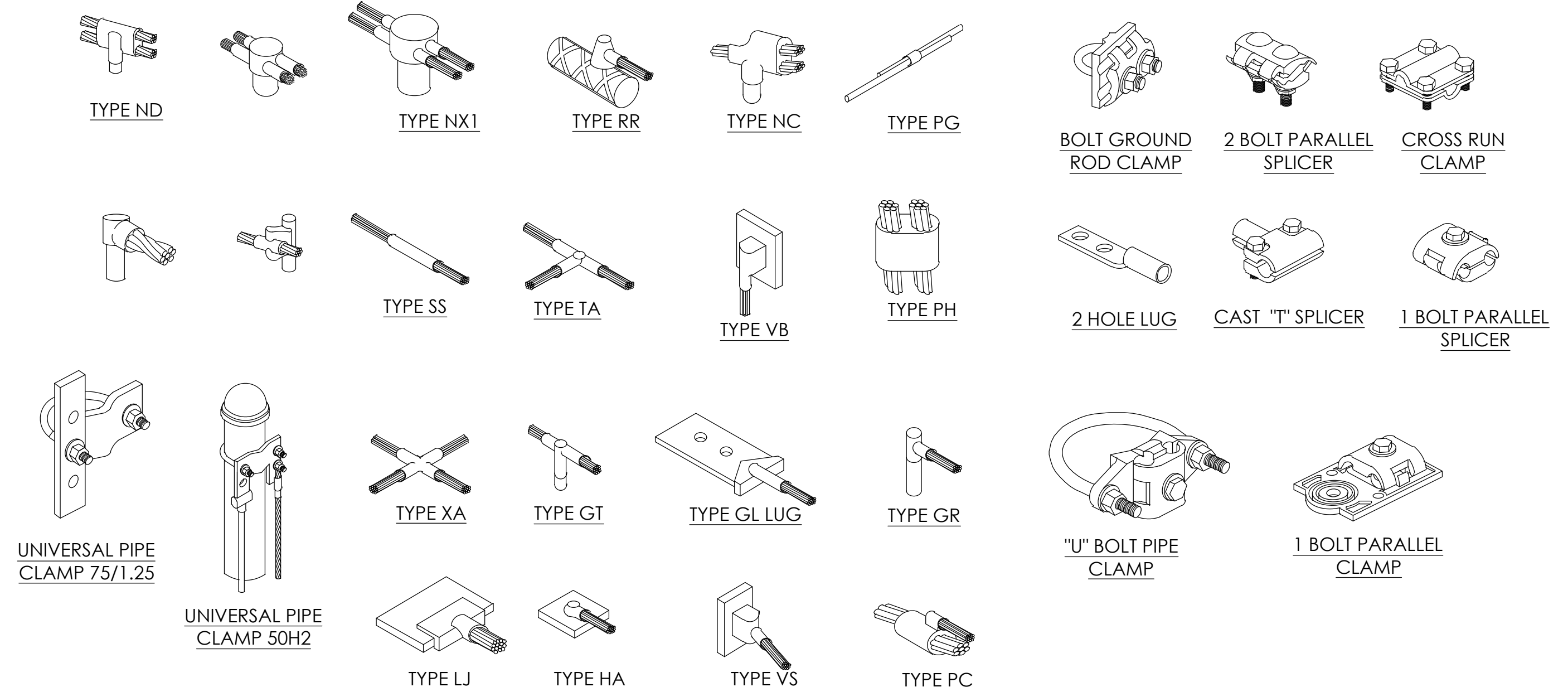
NOTE: ALL HARDWARE SHALL BE STAINLESS STEEL

4 GROUND BAR DETAIL
N.T.S.

3 NOT USED
N.T.S.



2 GROUND ROD DETAIL
N.T.S.



1 TYPICAL MECHANICAL CONNECTIONS
N.T.S.

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Sheet Title:

GROUNDING DETAILS

Sheet Number:

G-2